

FIG. 2

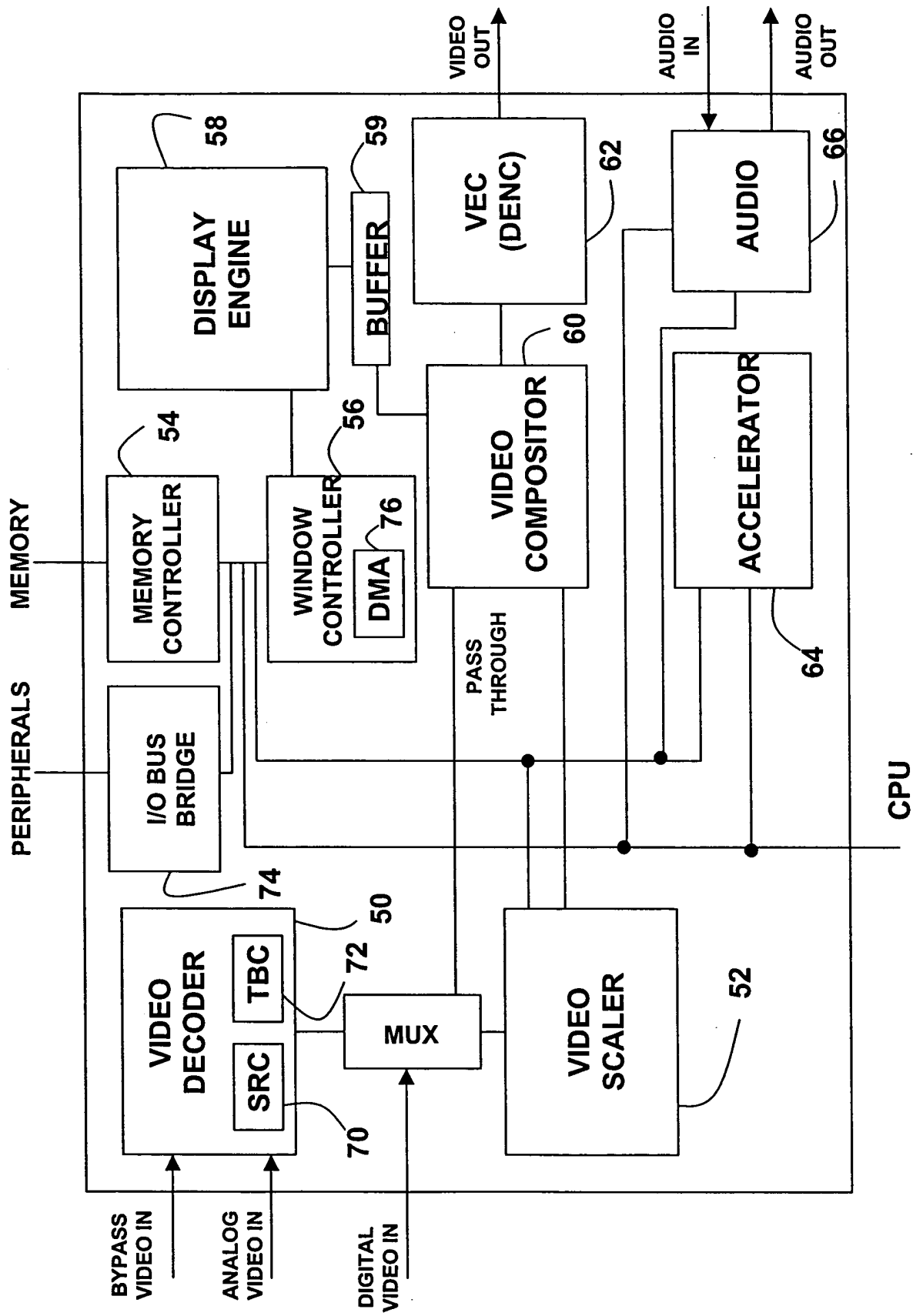


FIG. 3

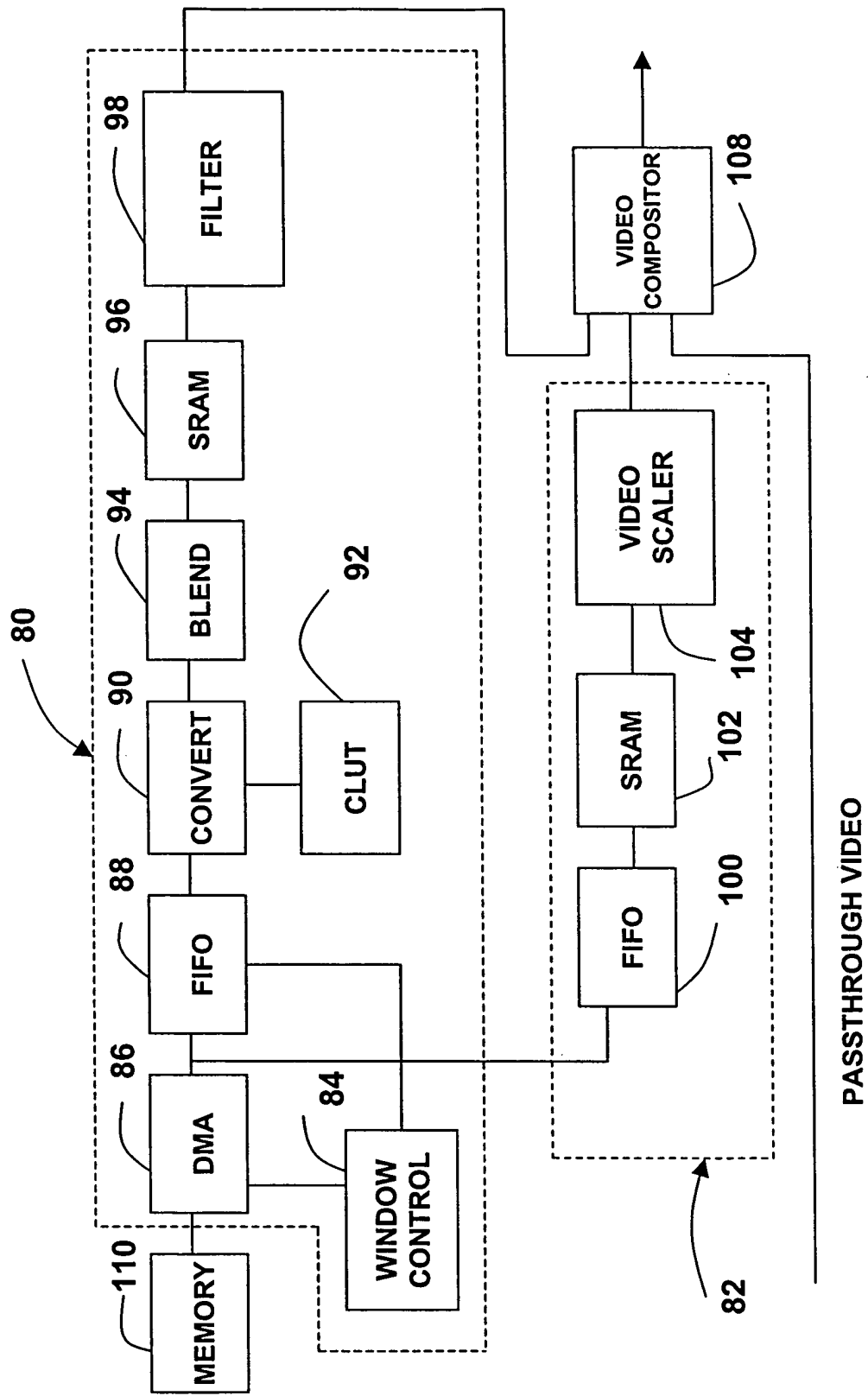


FIG. 4

FIG. 5

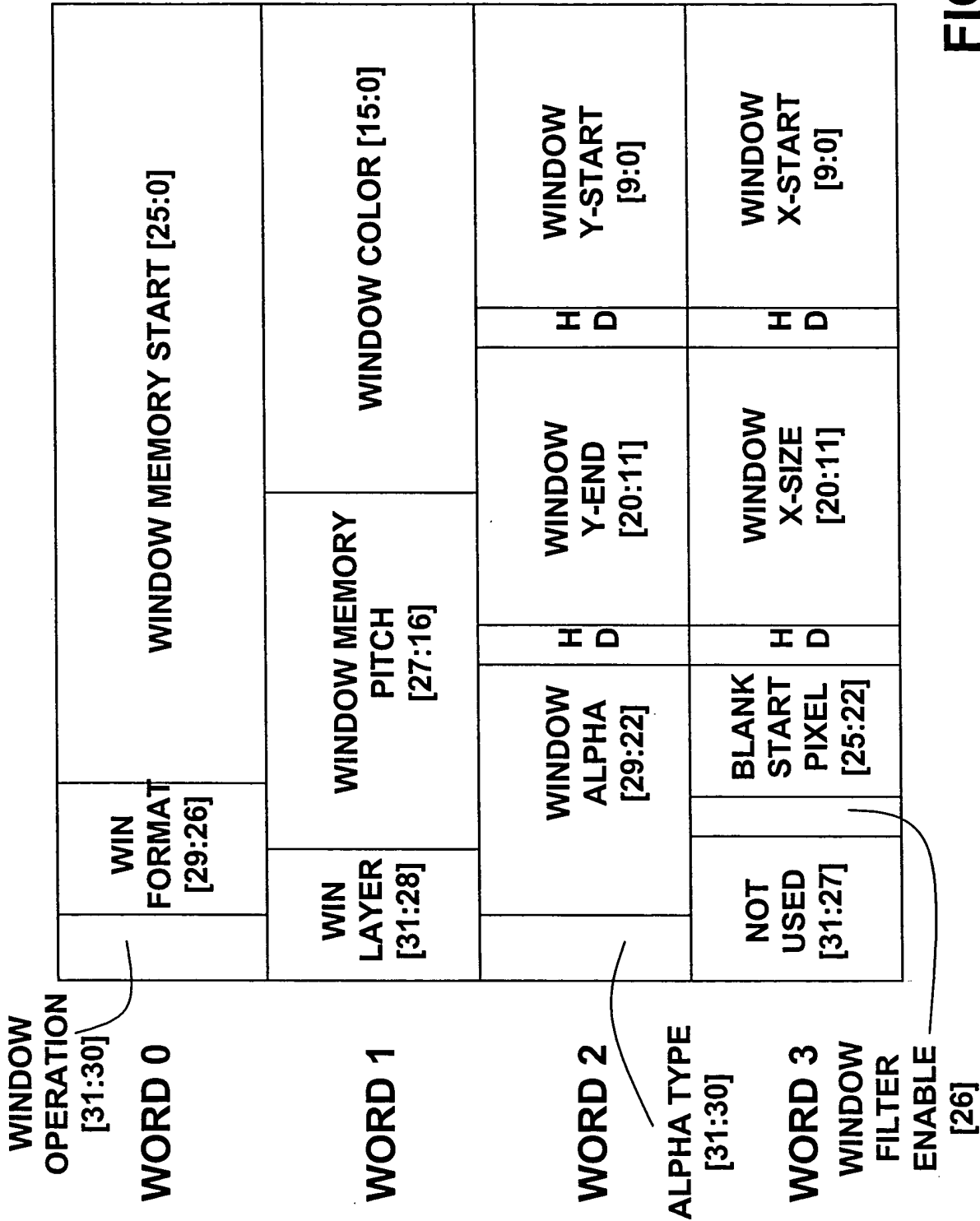


FIG. 6

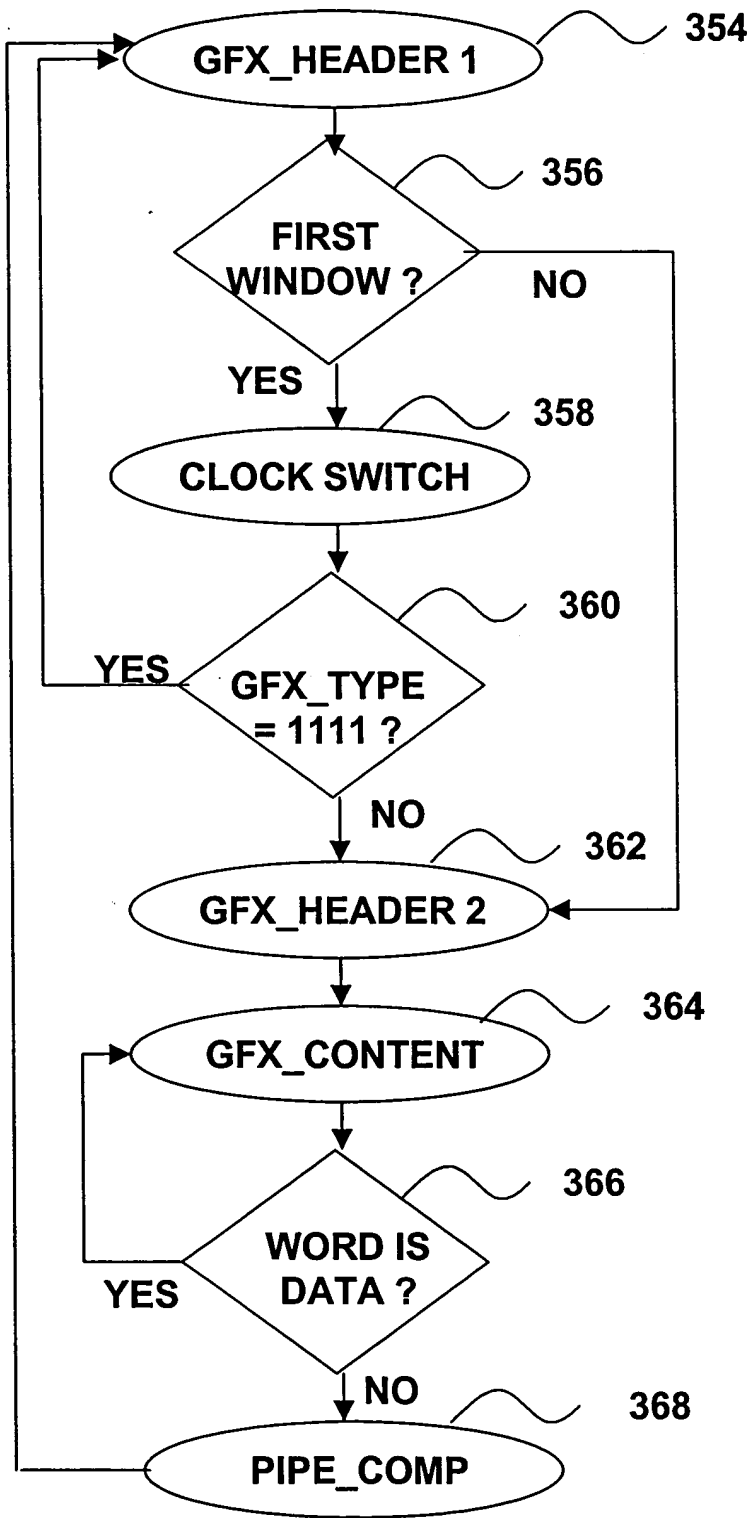


FIG. 9

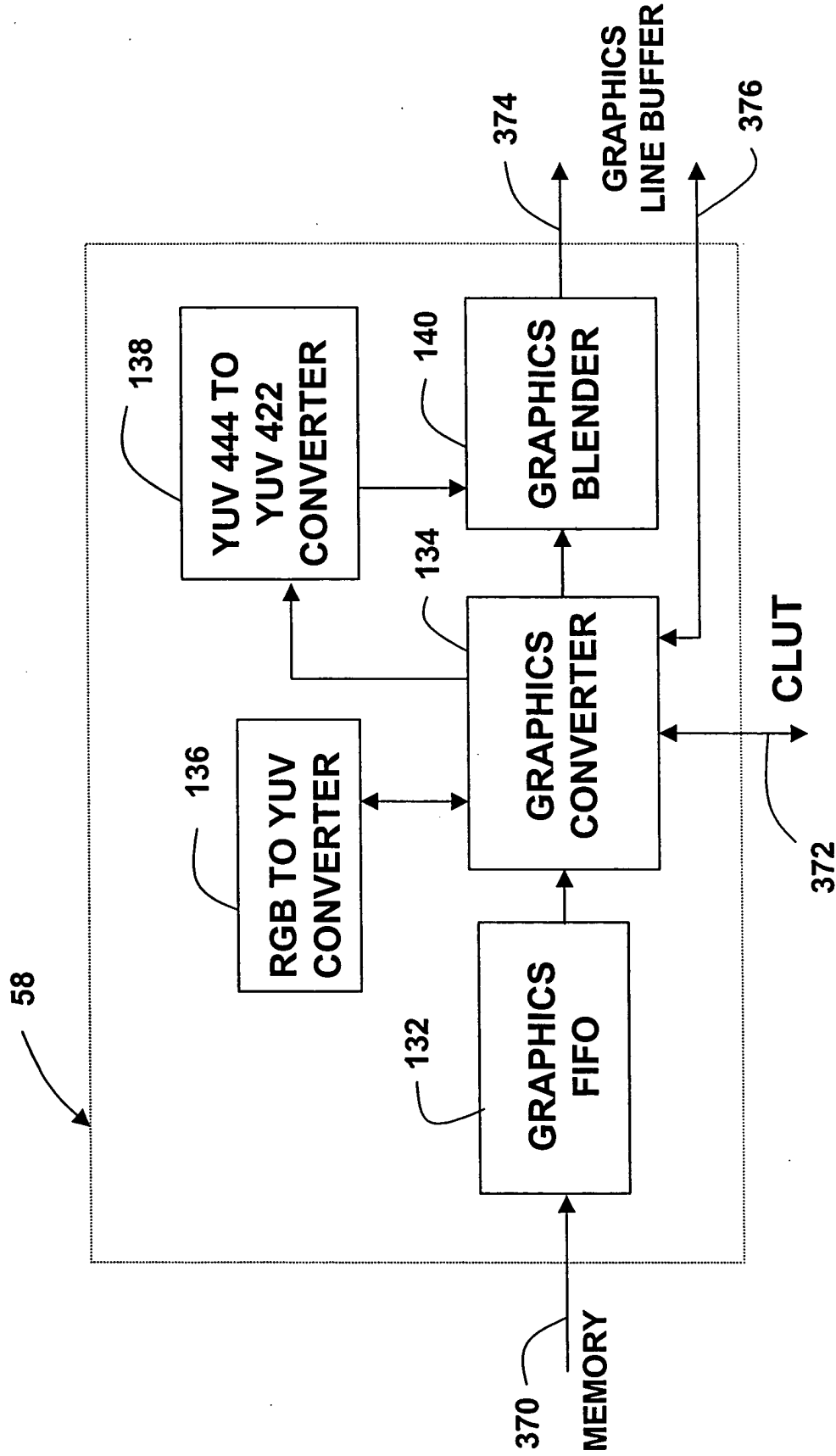
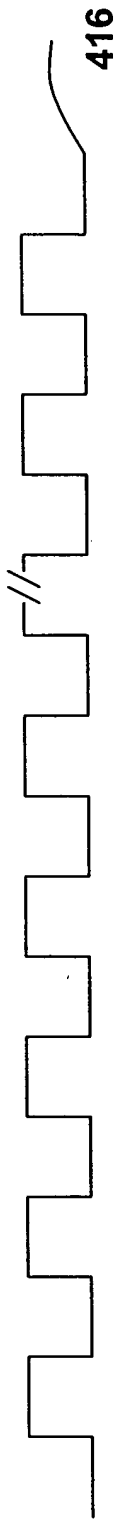


FIG. 10

MEMORY CLOCK



CLUT MEMORY REQUEST



CLUT MEMORY WRITE



CLUT MEMORY DATA

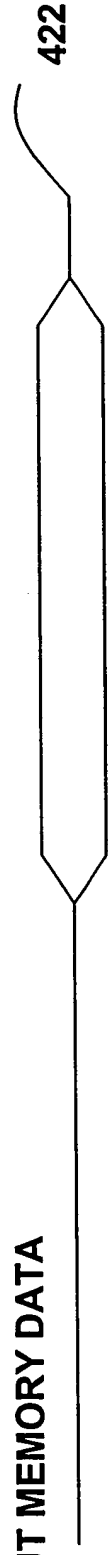


FIG. 12

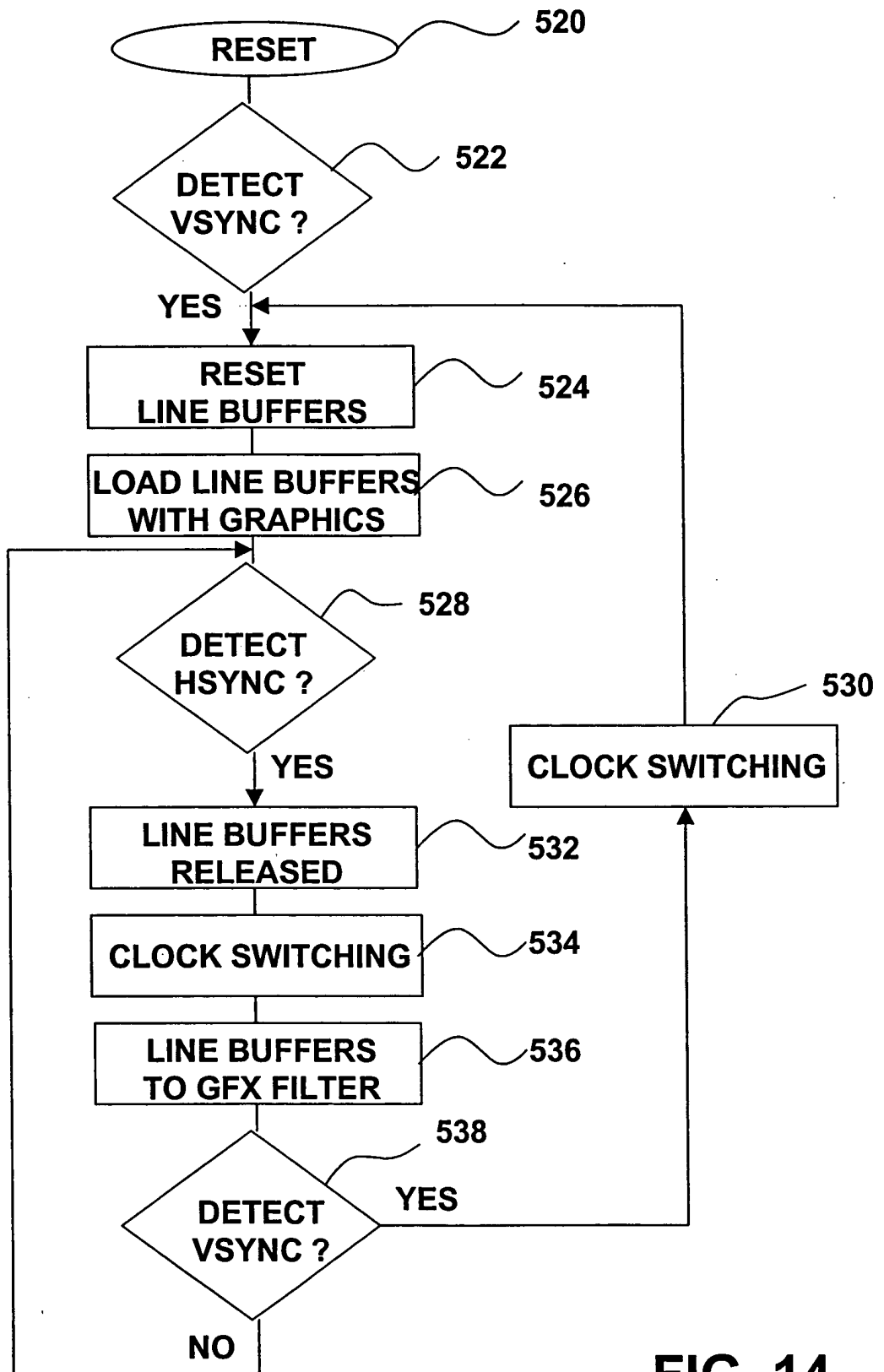


FIG. 14

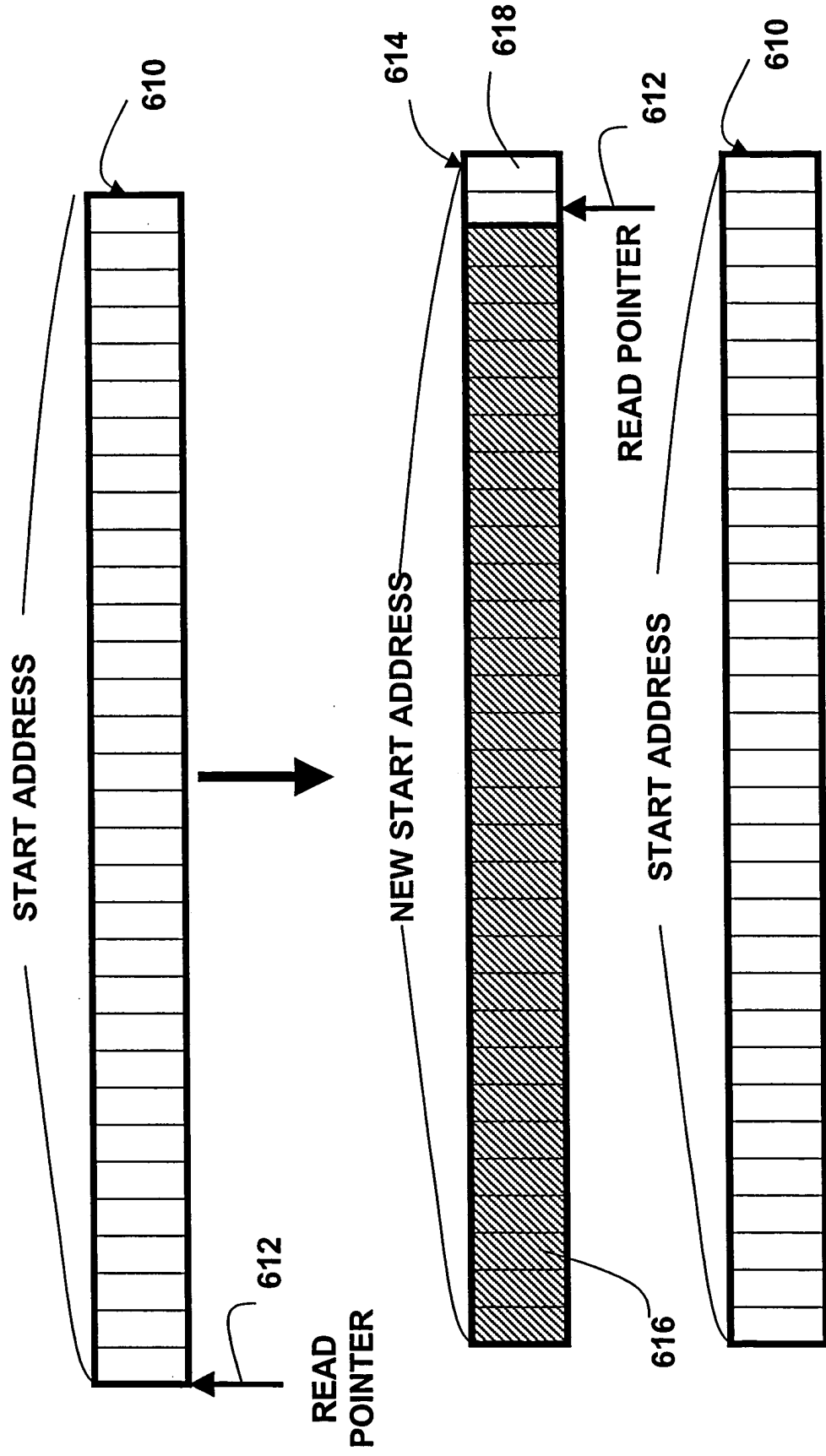


FIG. 16

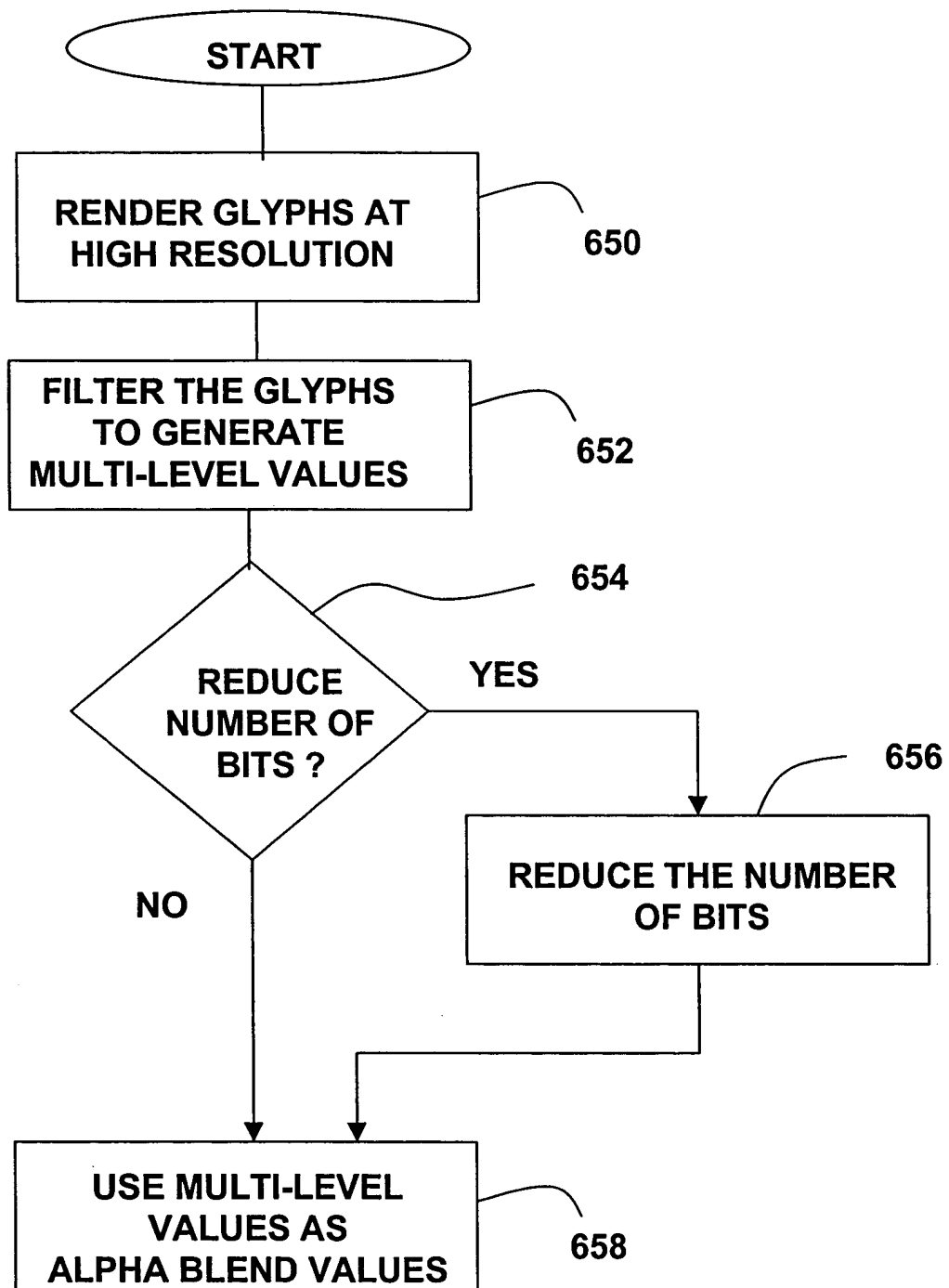


FIG. 17

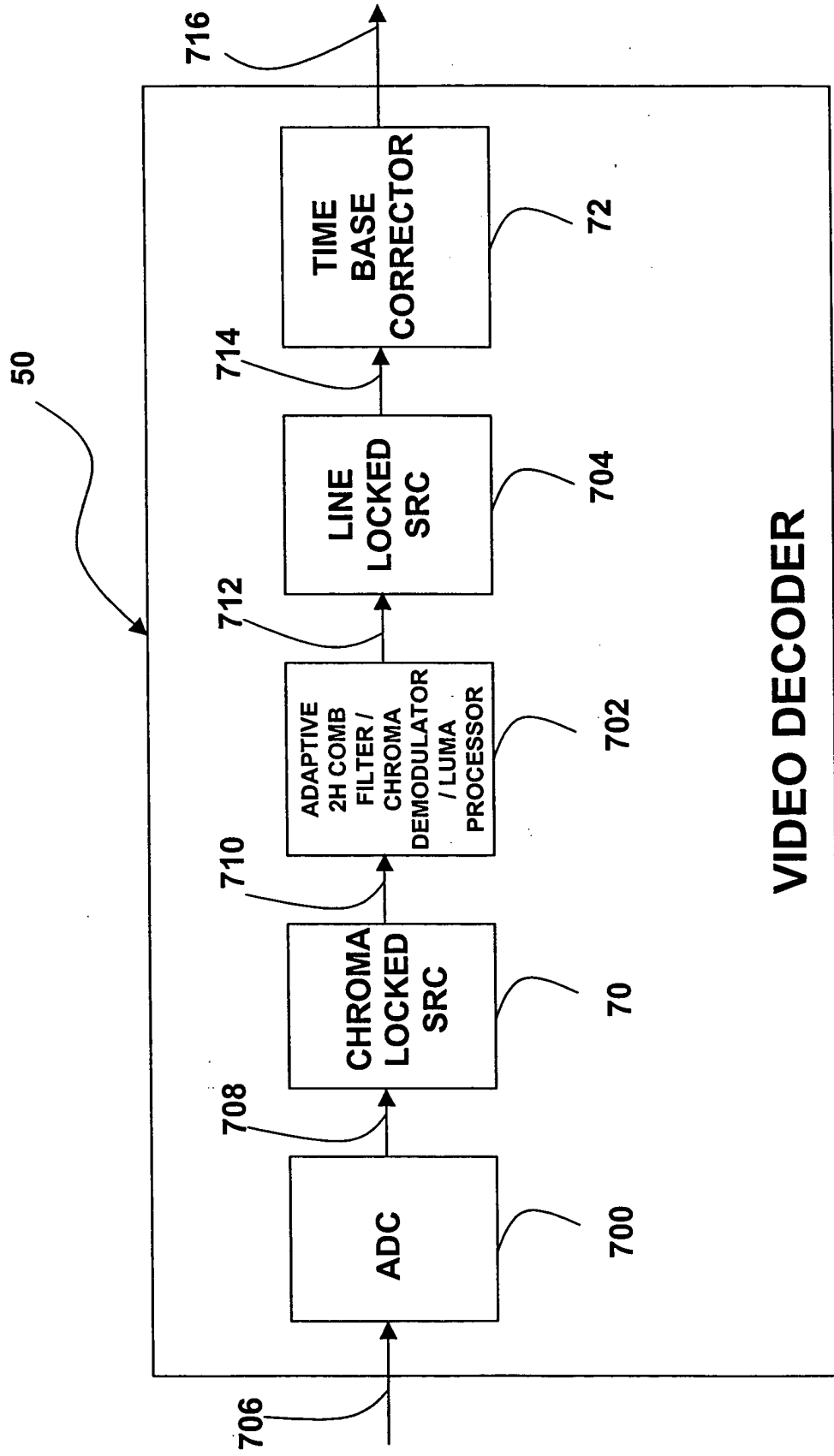


FIG. 18

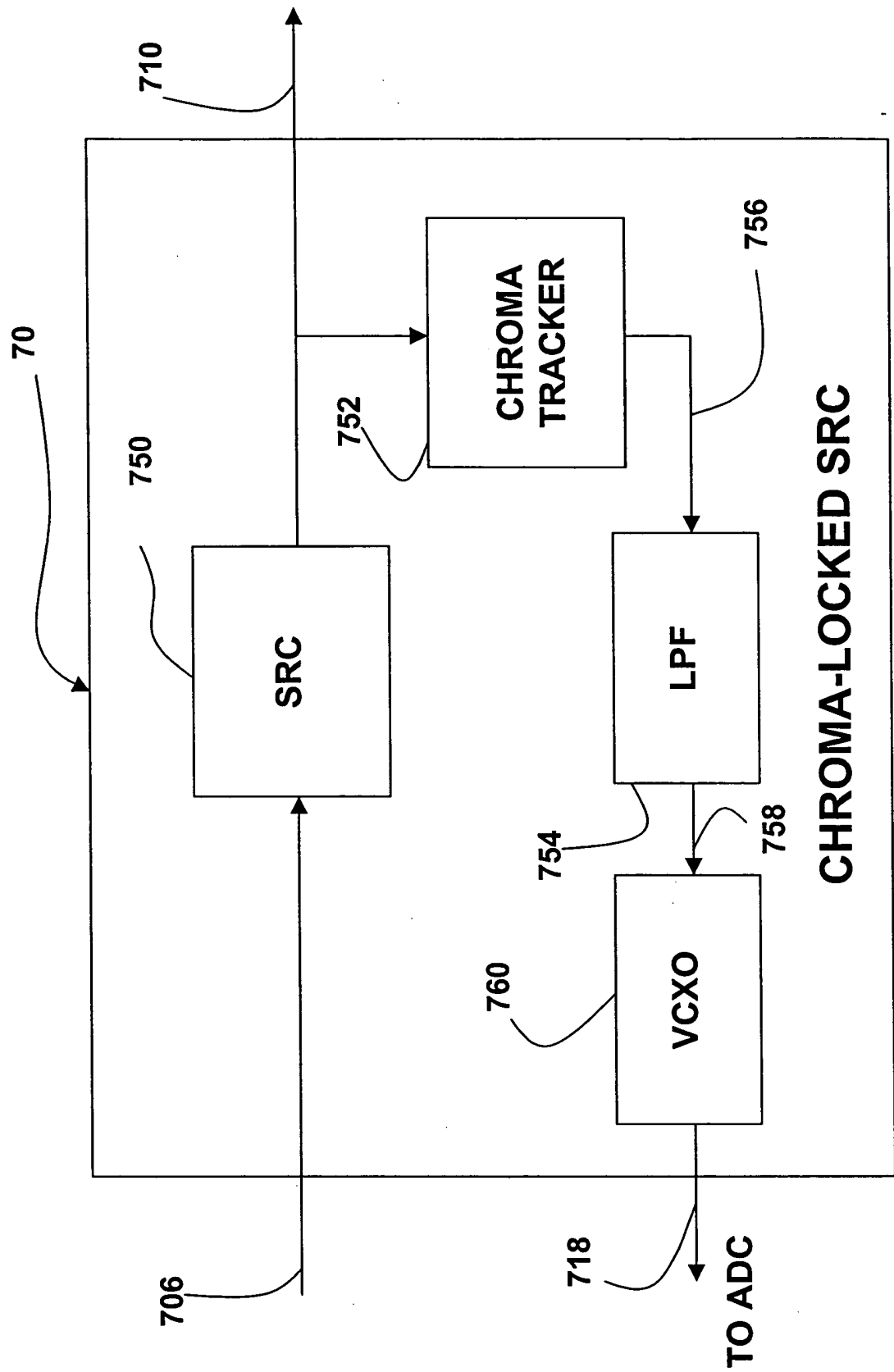


FIG. 20

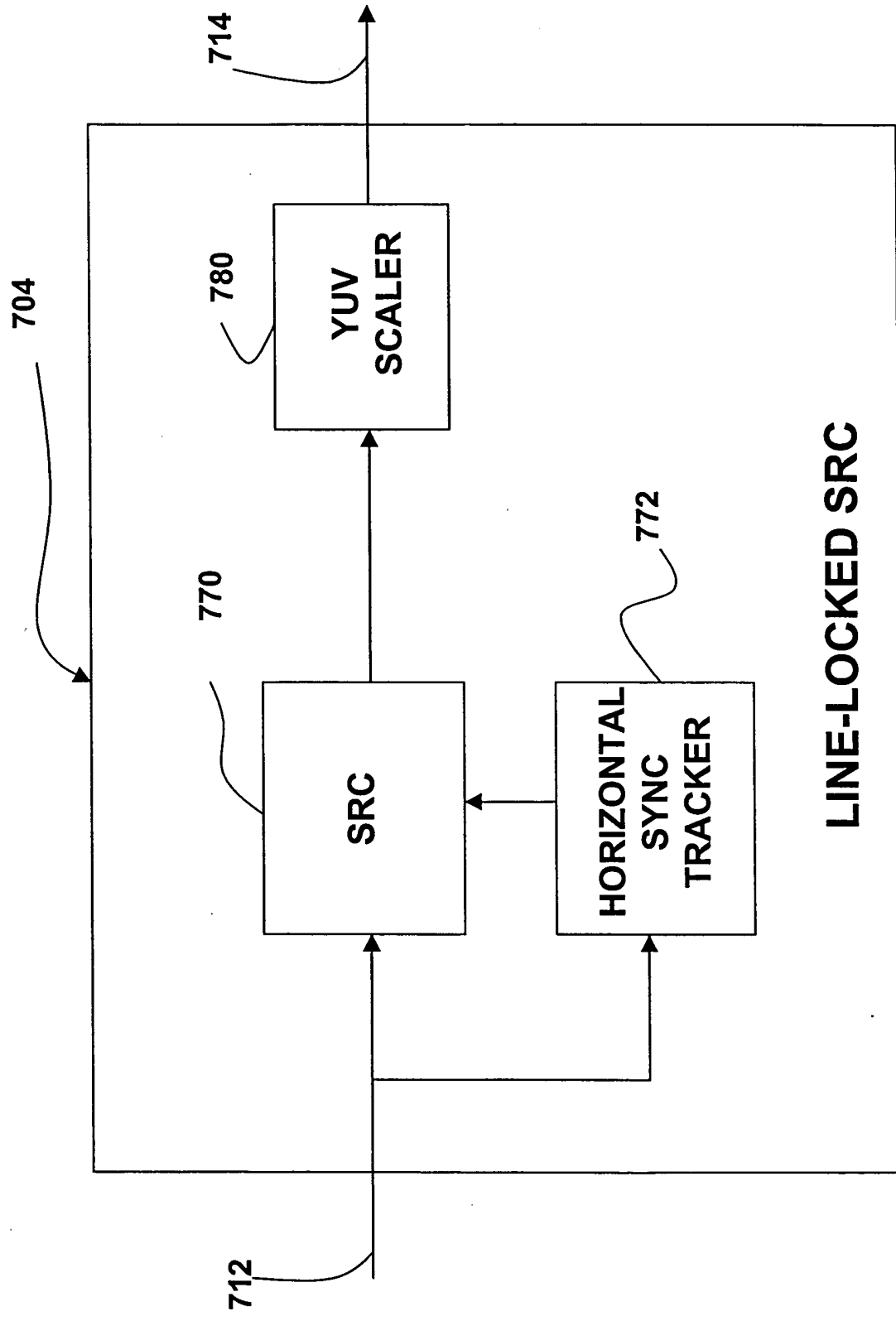


FIG. 21

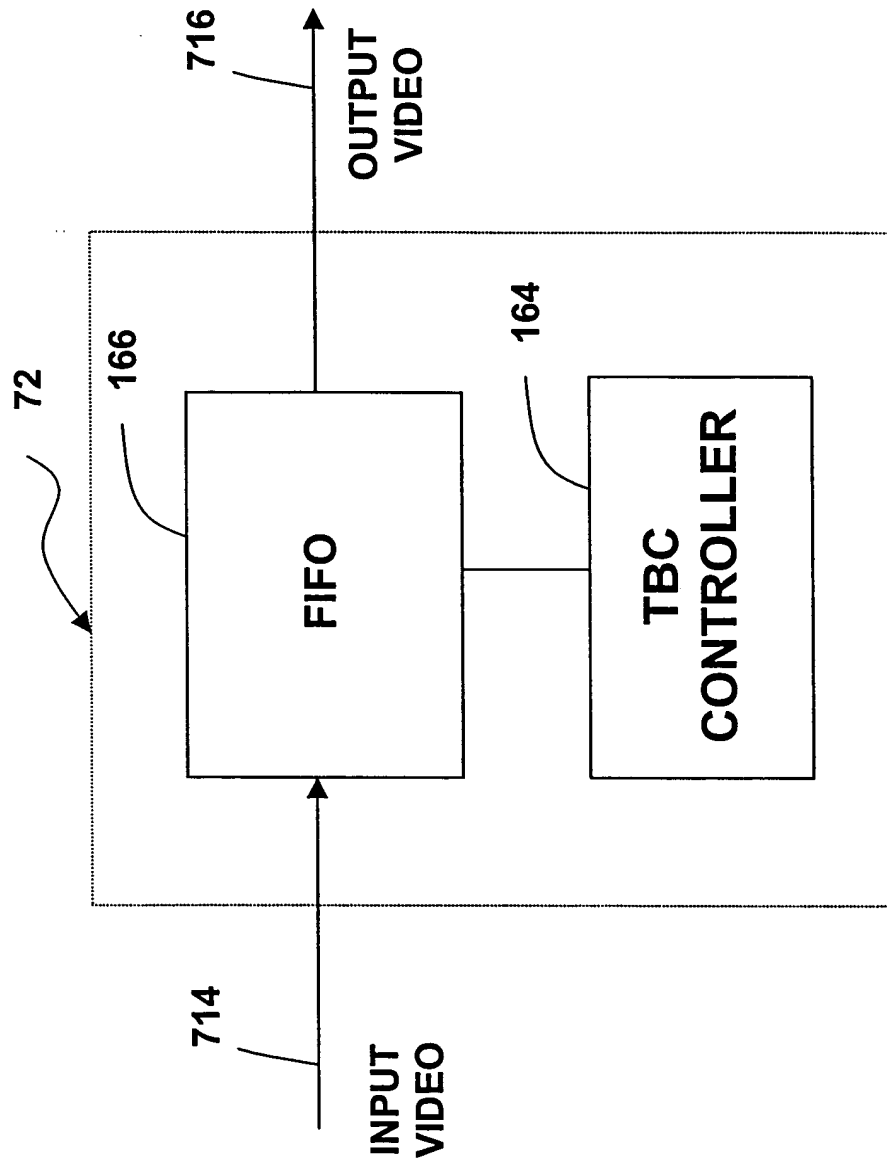


FIG. 22

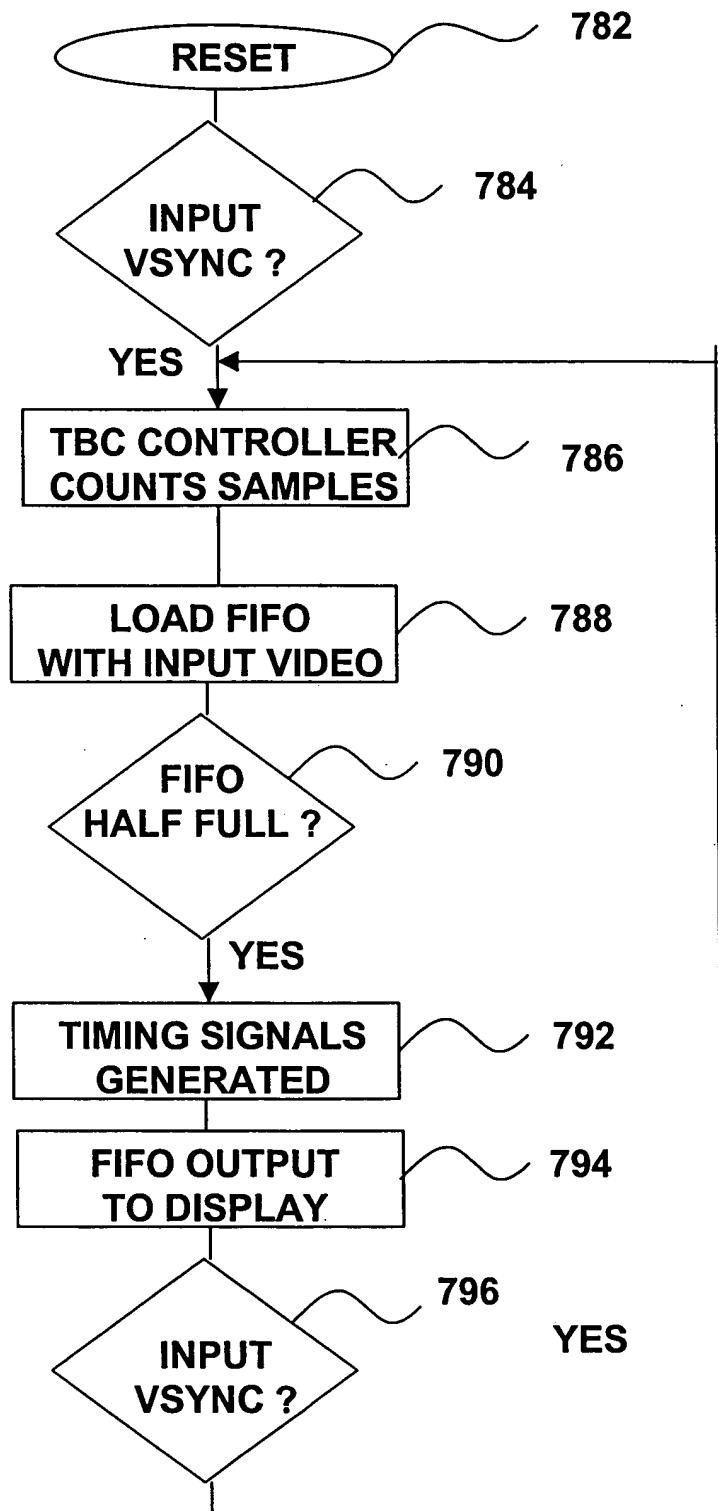


FIG. 23

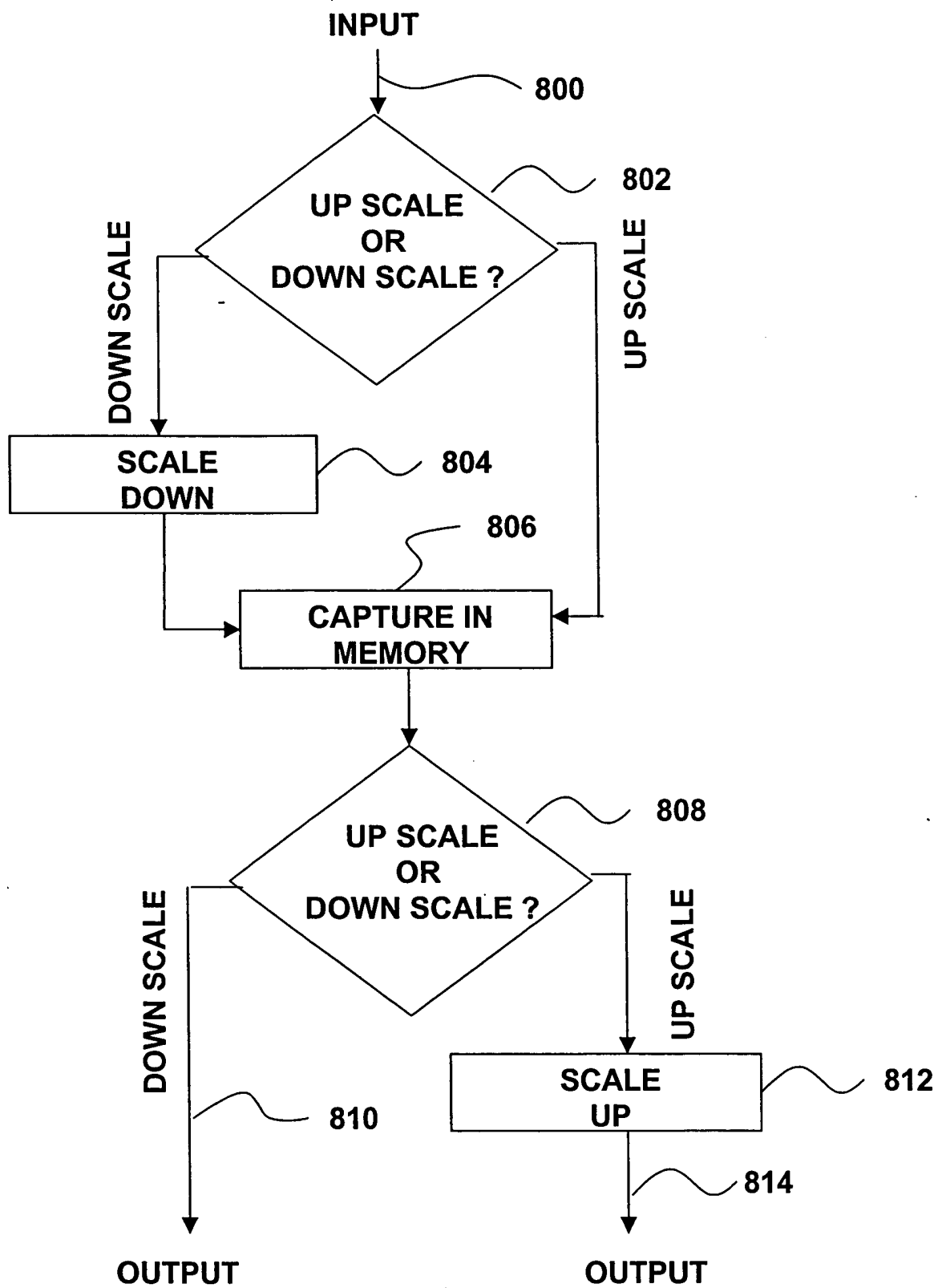


FIG. 24

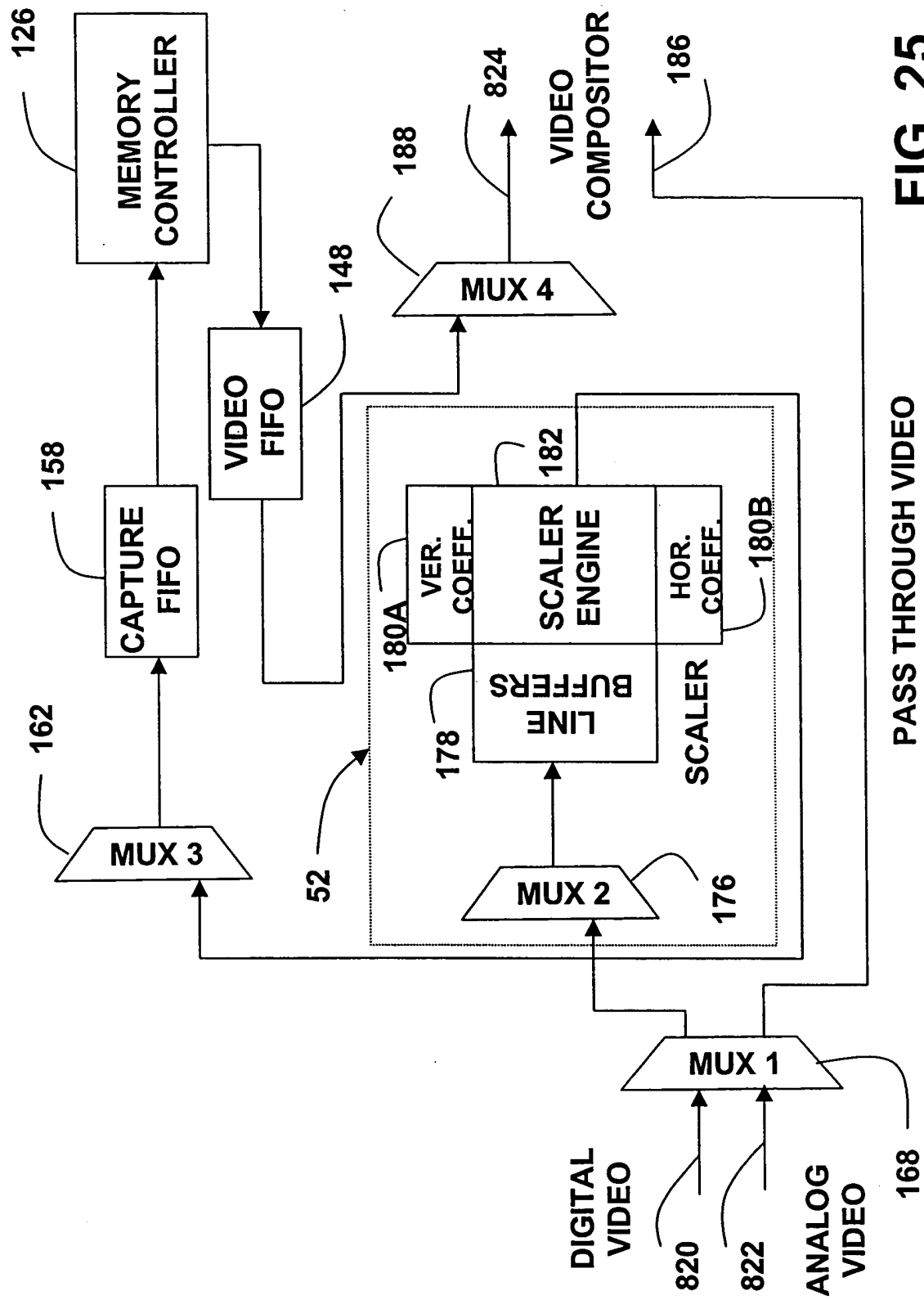


FIG. 25

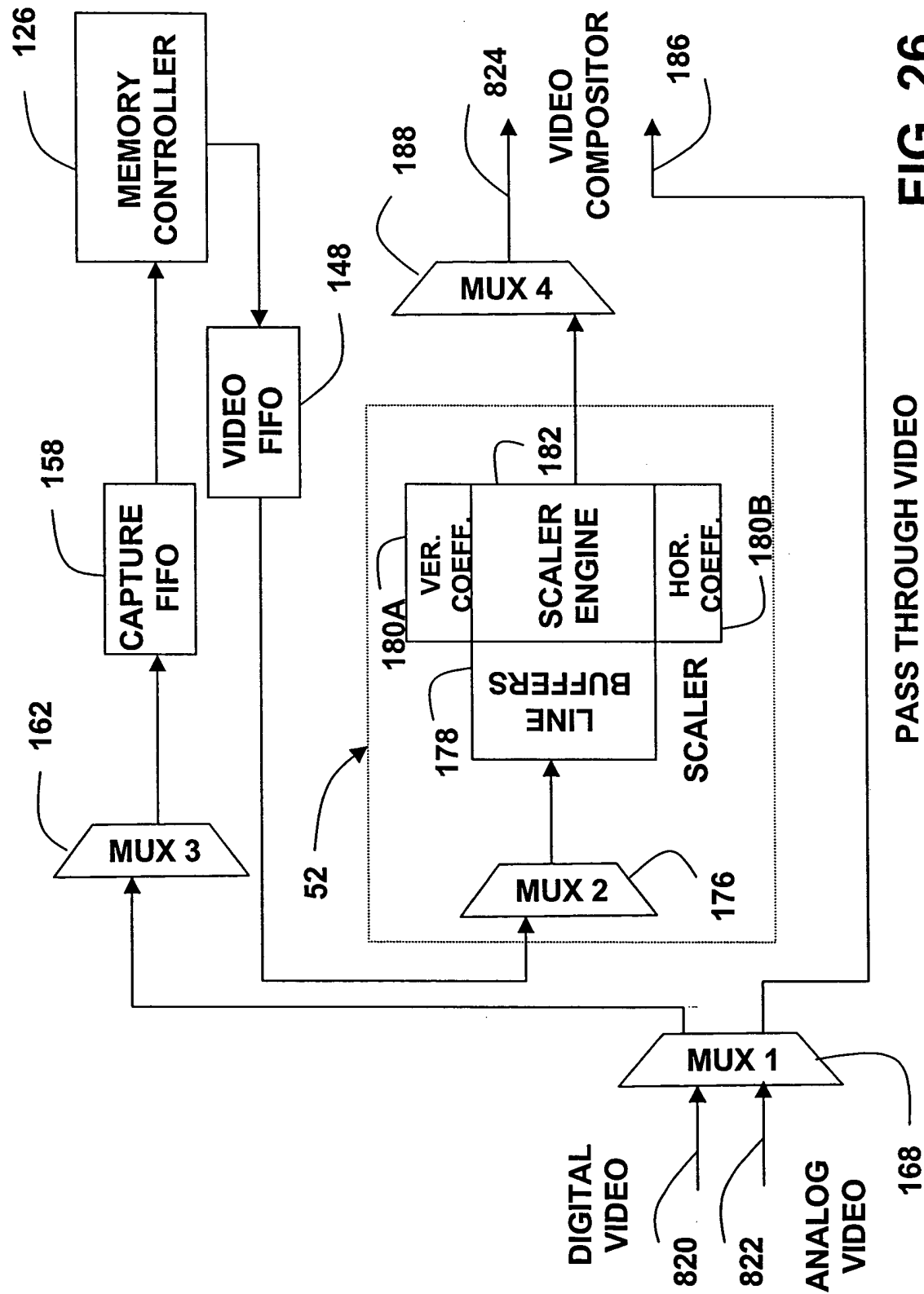


FIG. 26

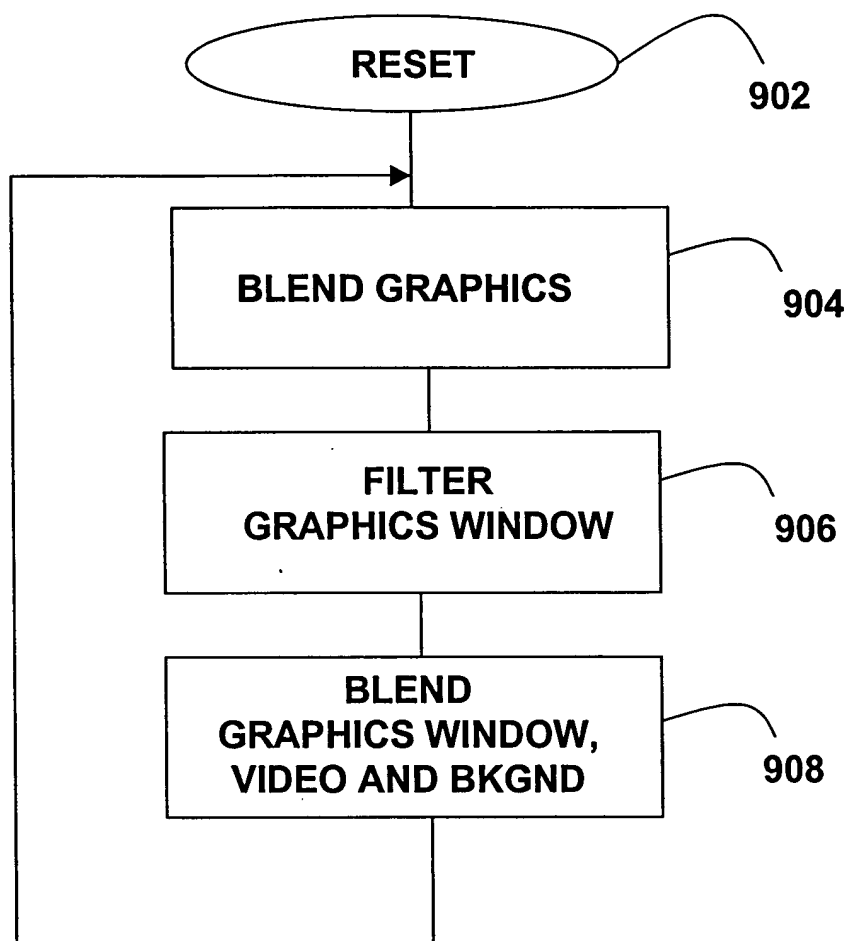


FIG. 28



FIG. 29

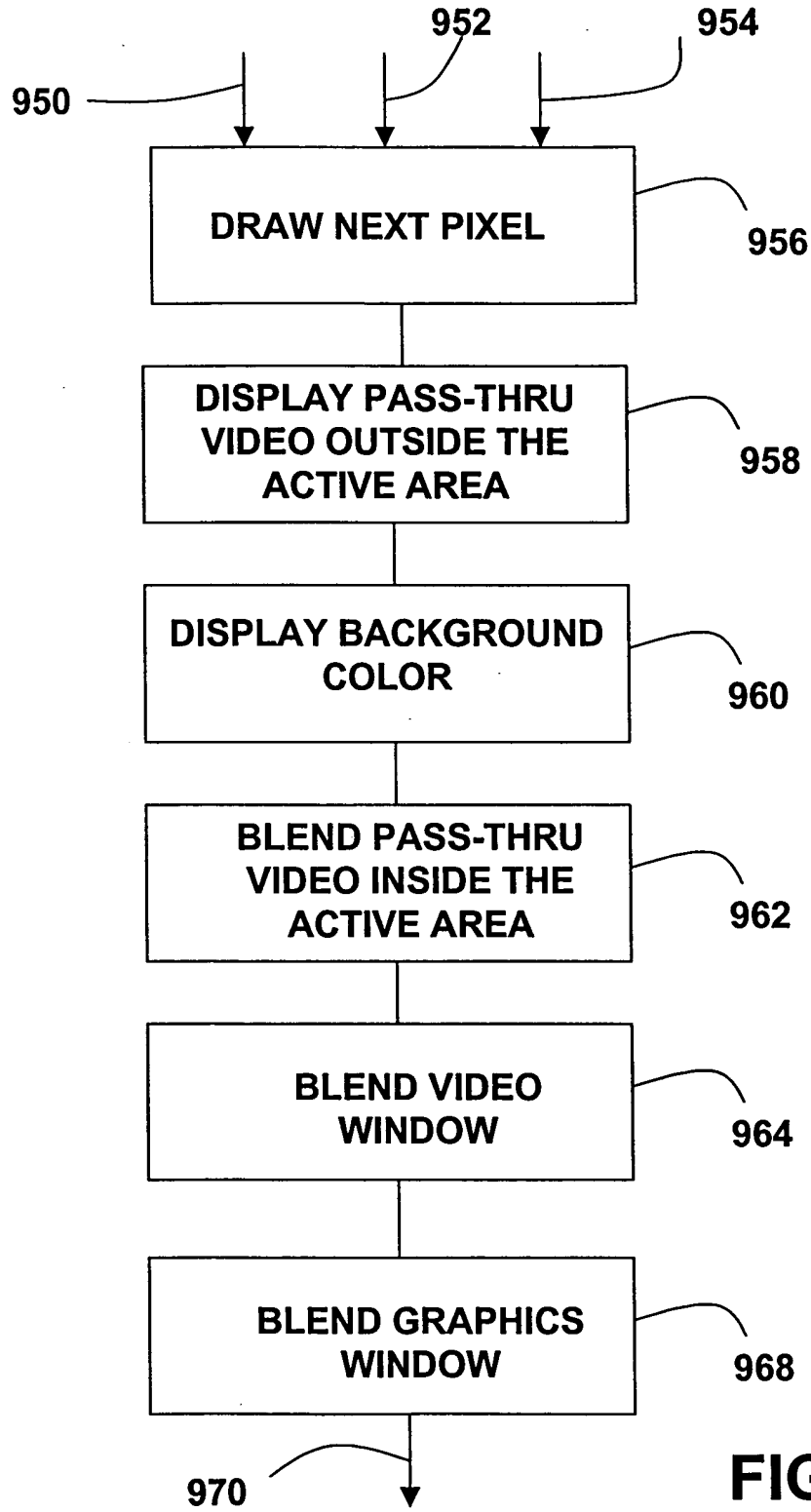


FIG. 30

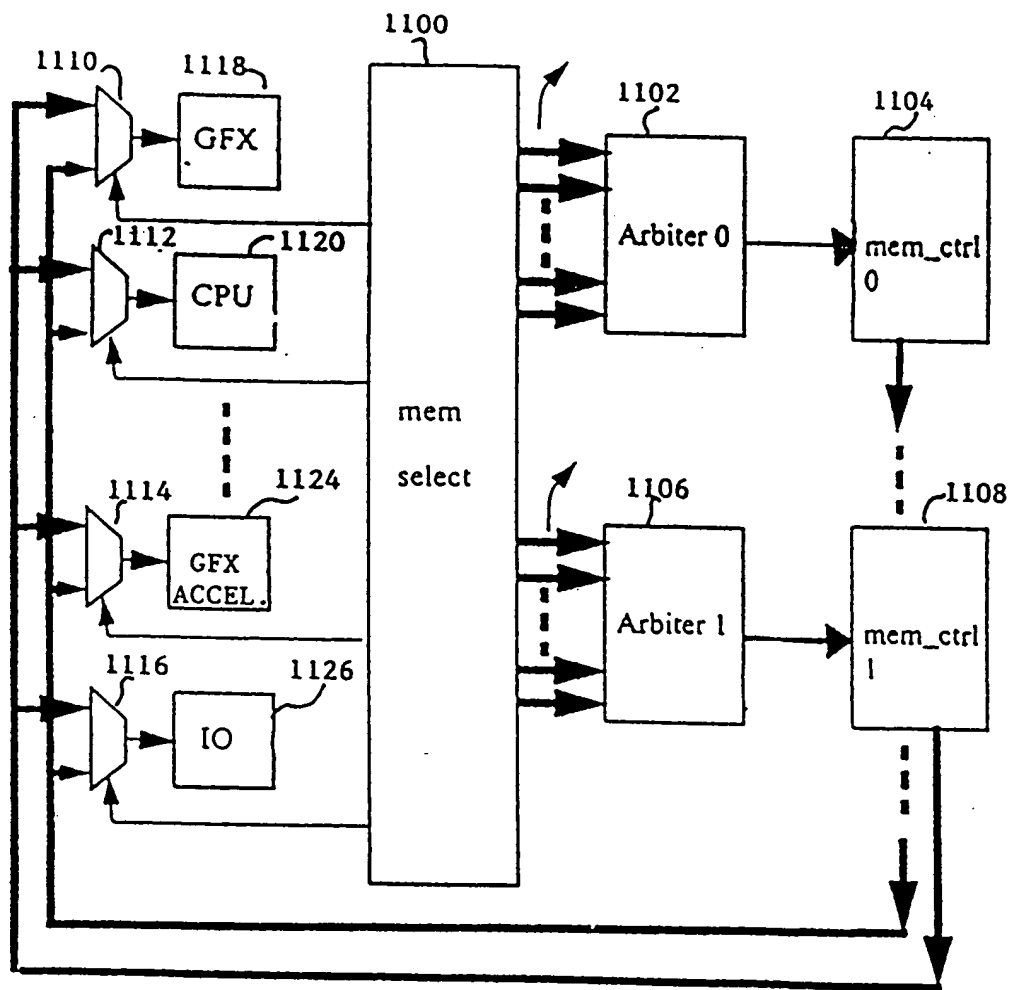


FIG. 32

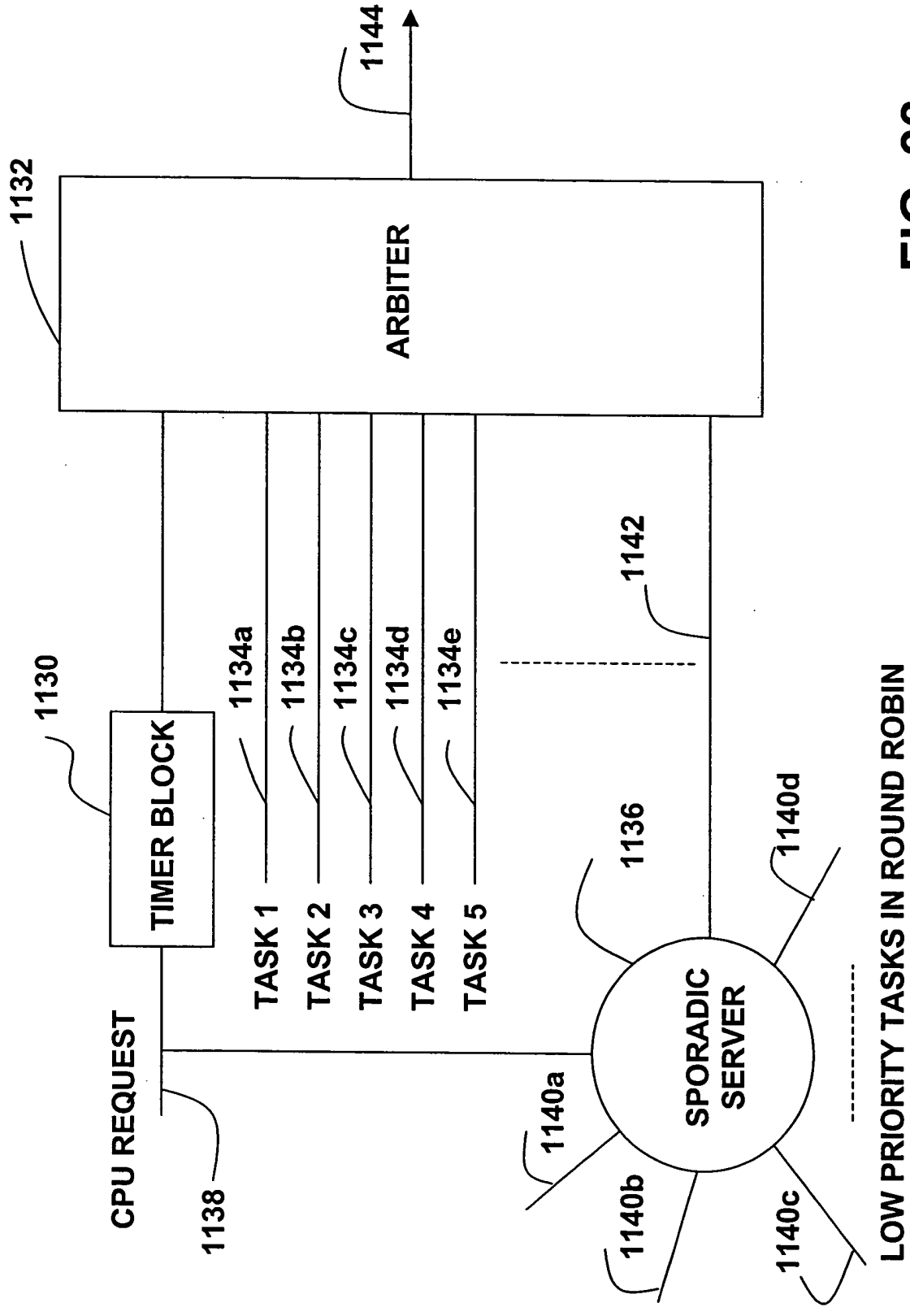


FIG. 33

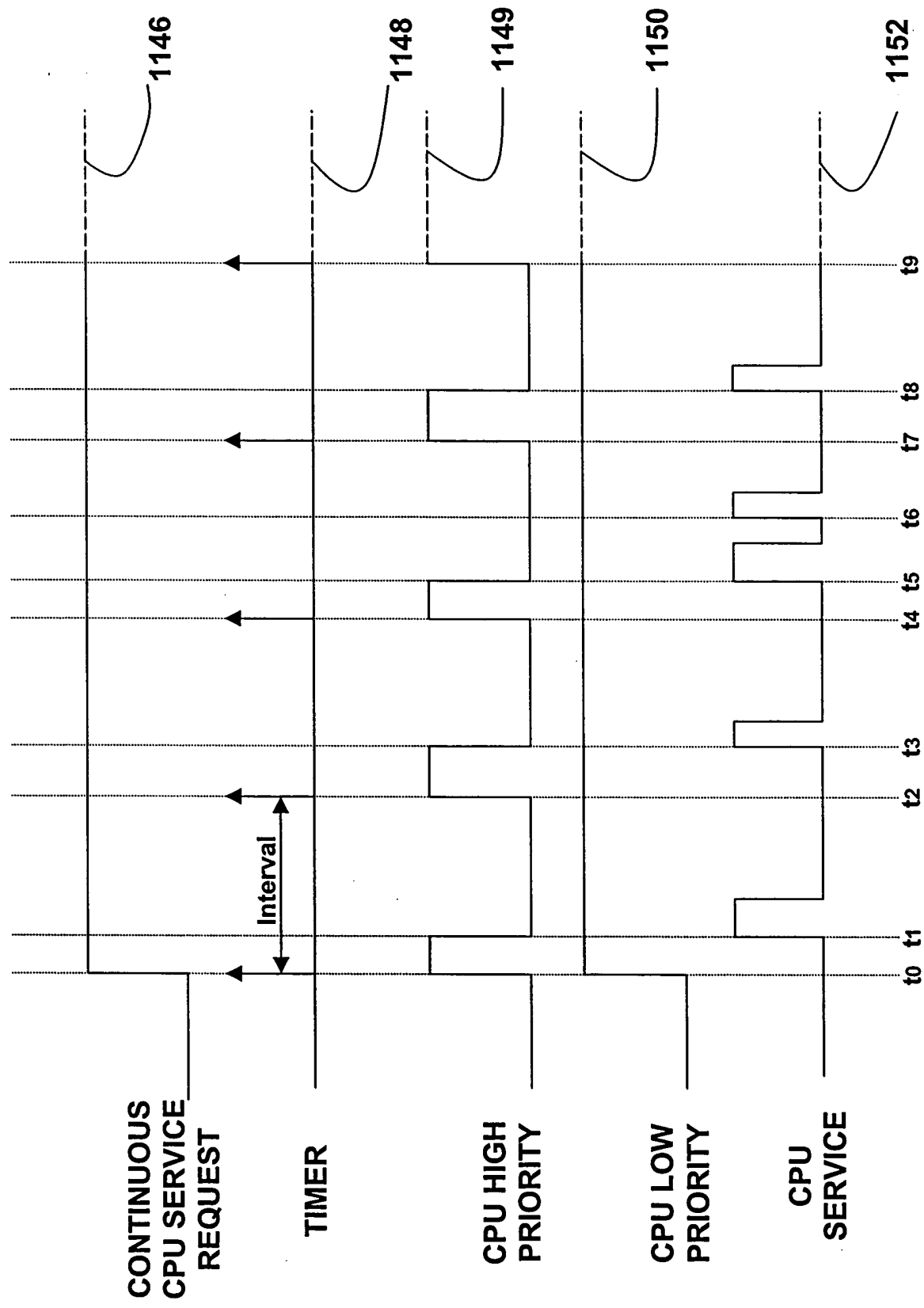


FIG. 34

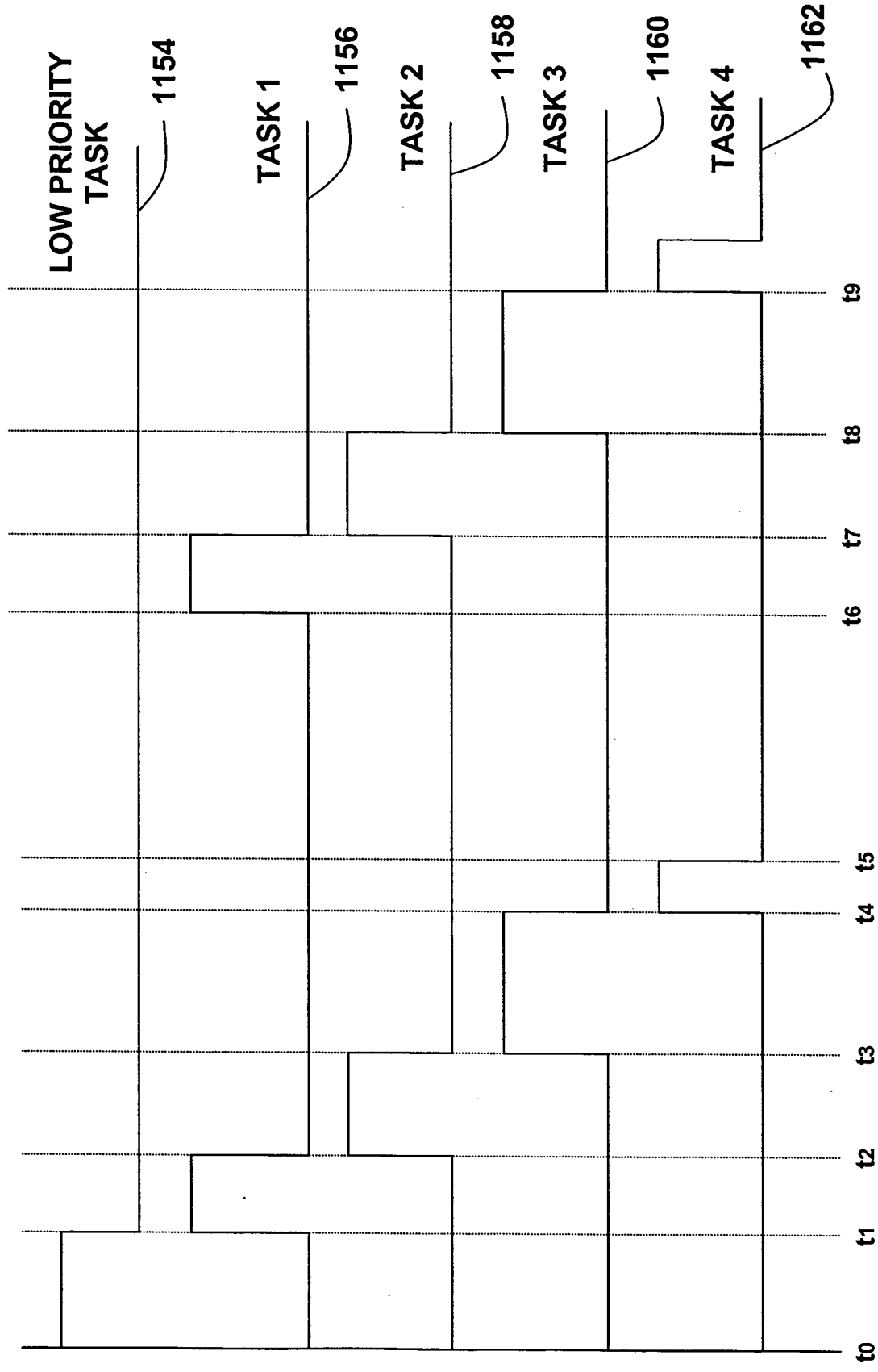


FIG. 35

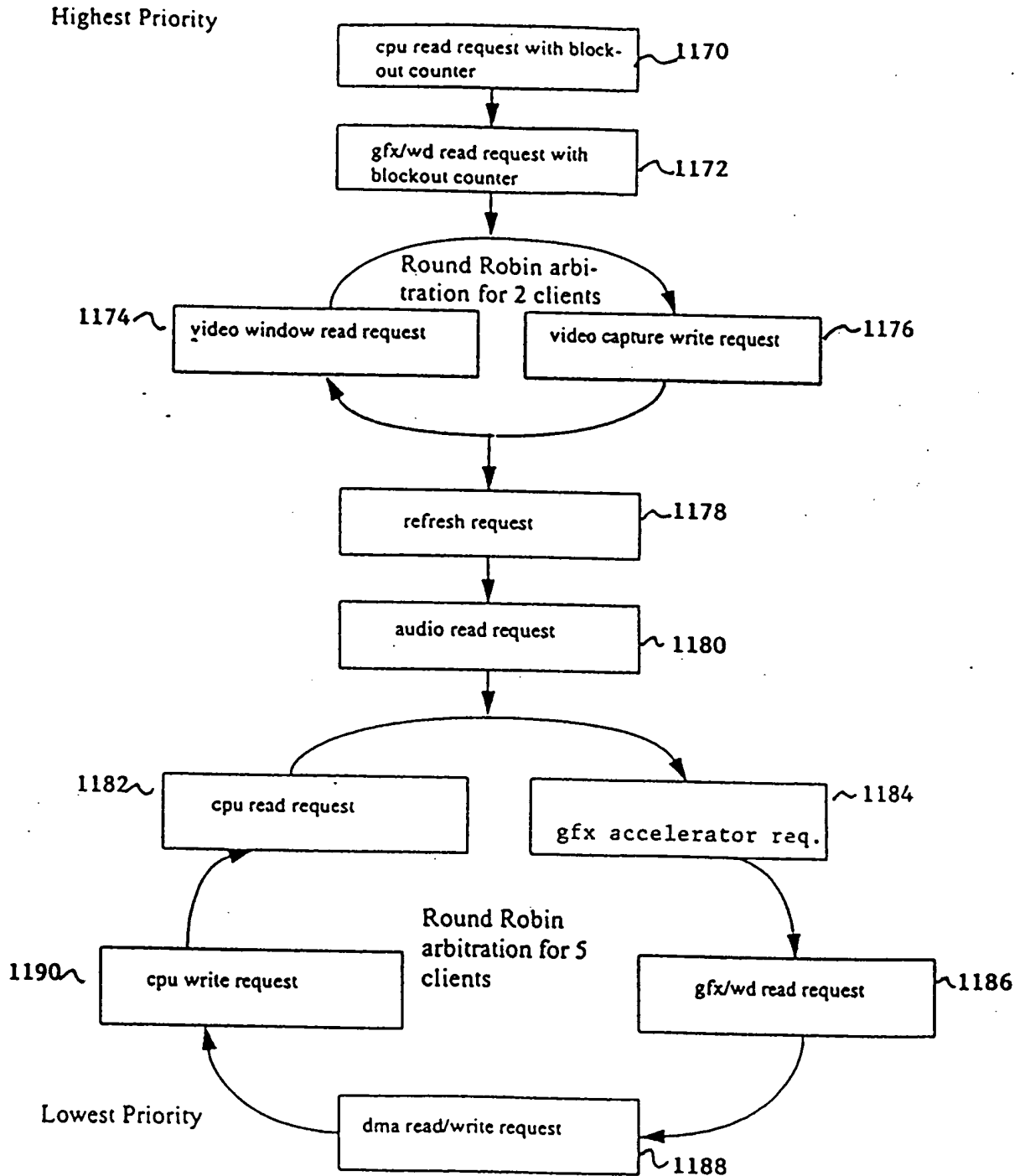


FIG. 36

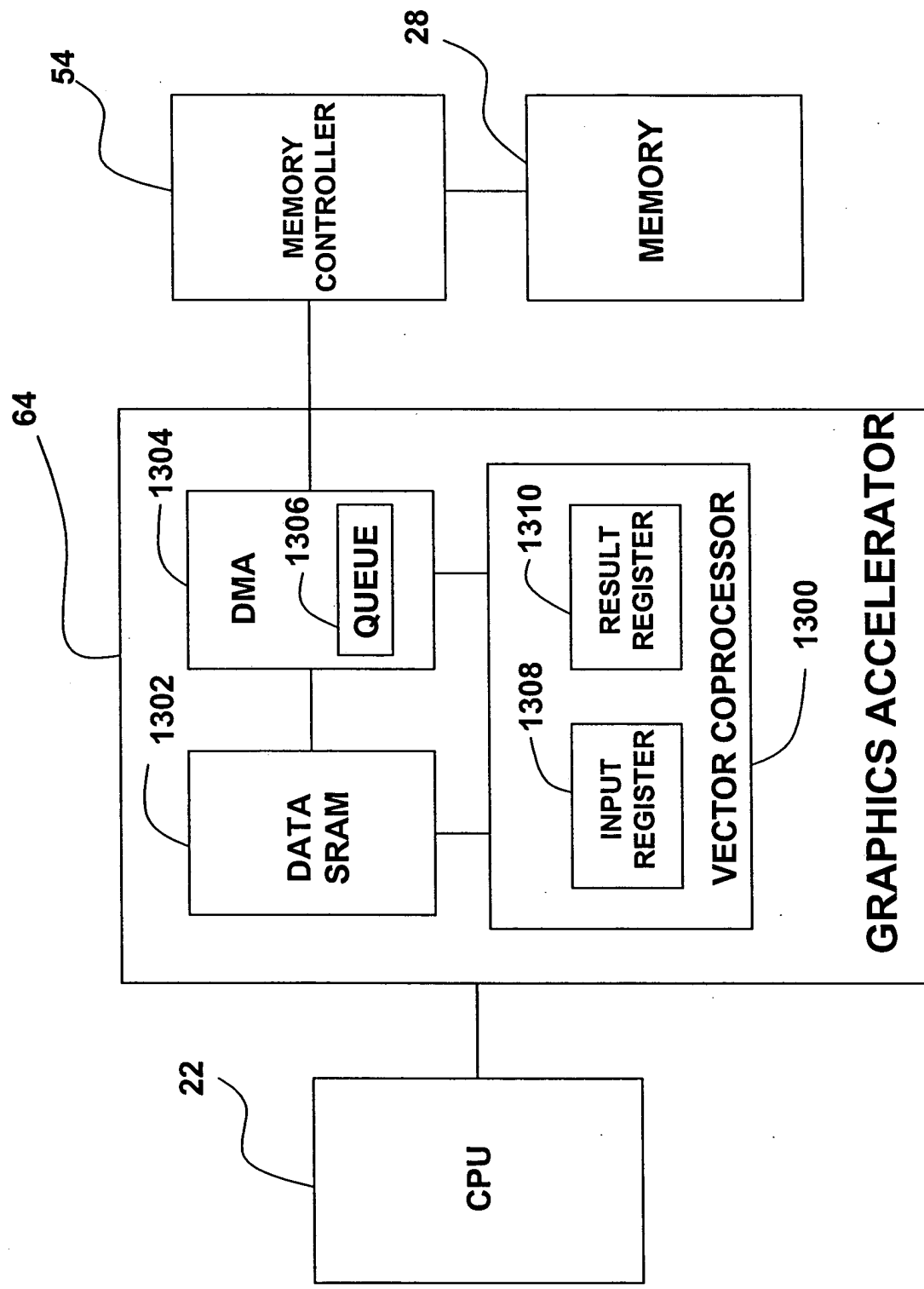


FIG. 37

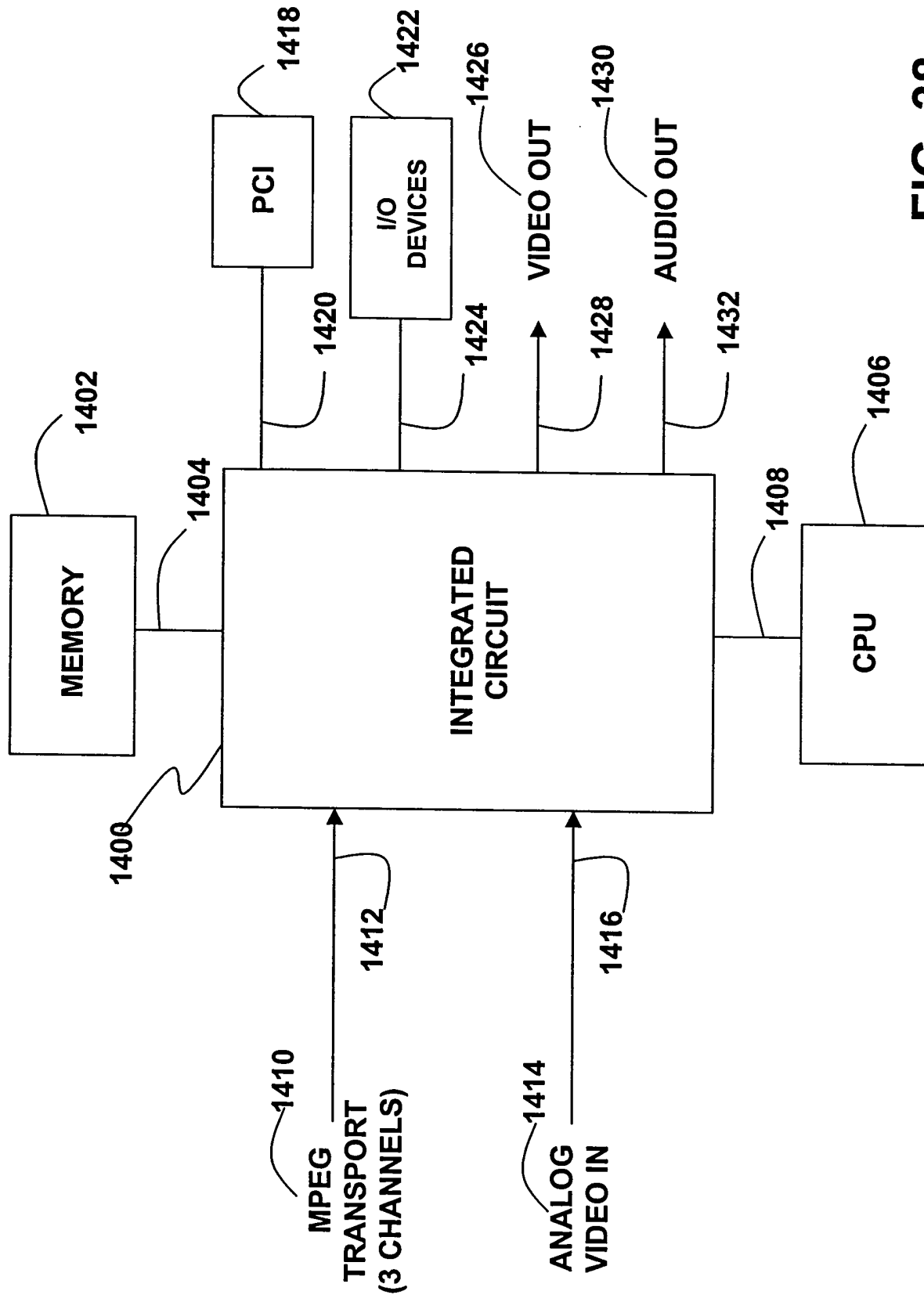


FIG. 38

1400

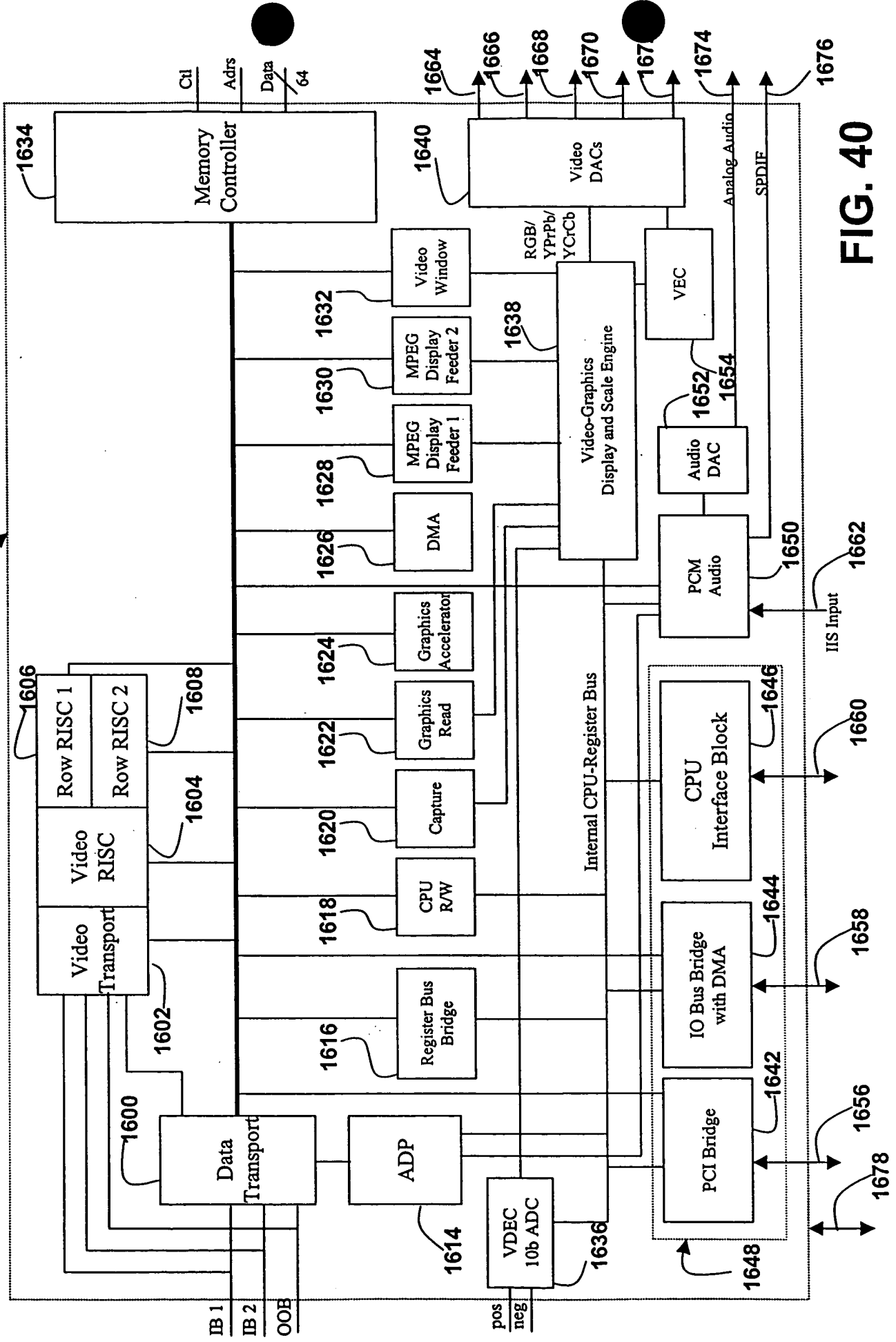


FIG. 40

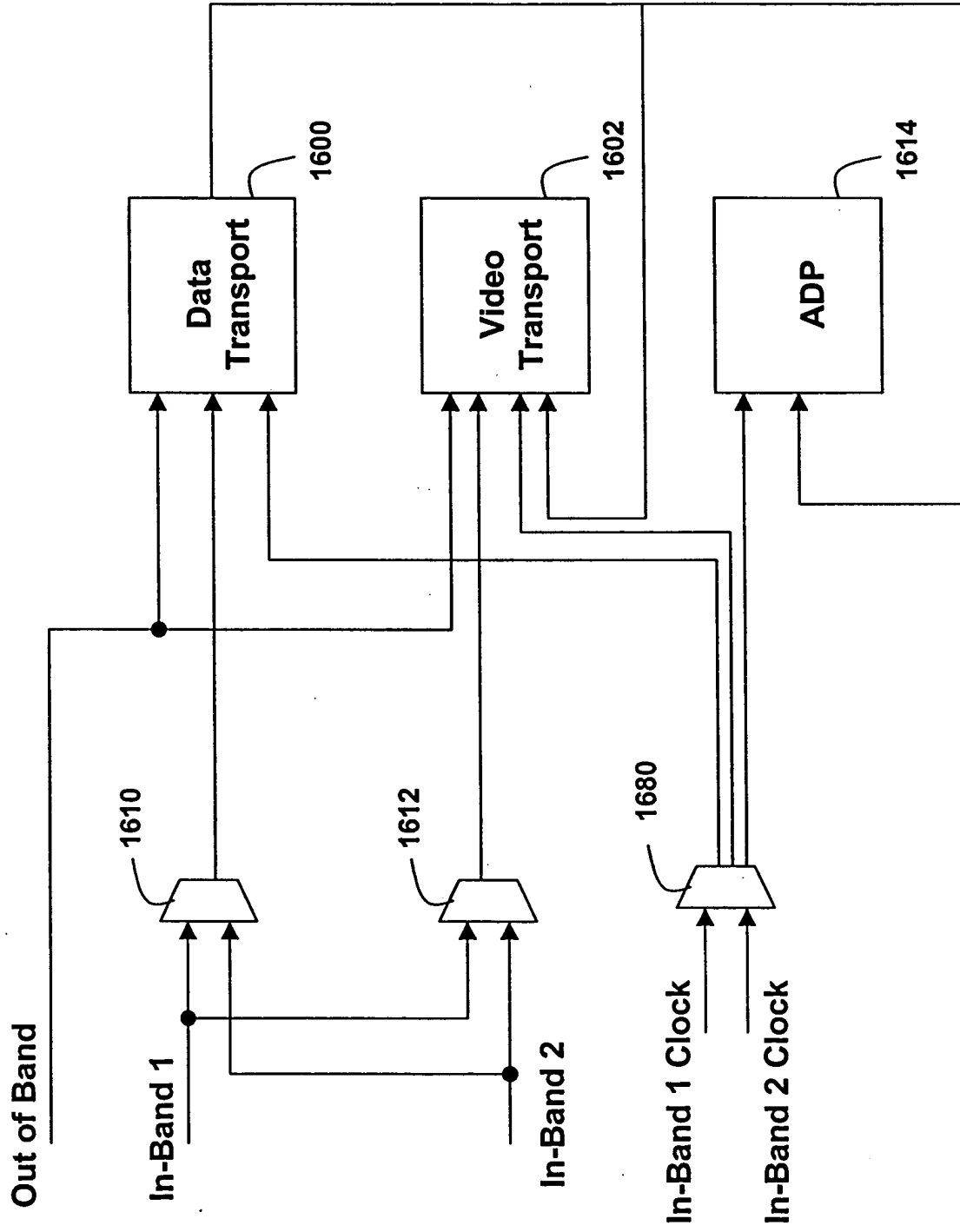
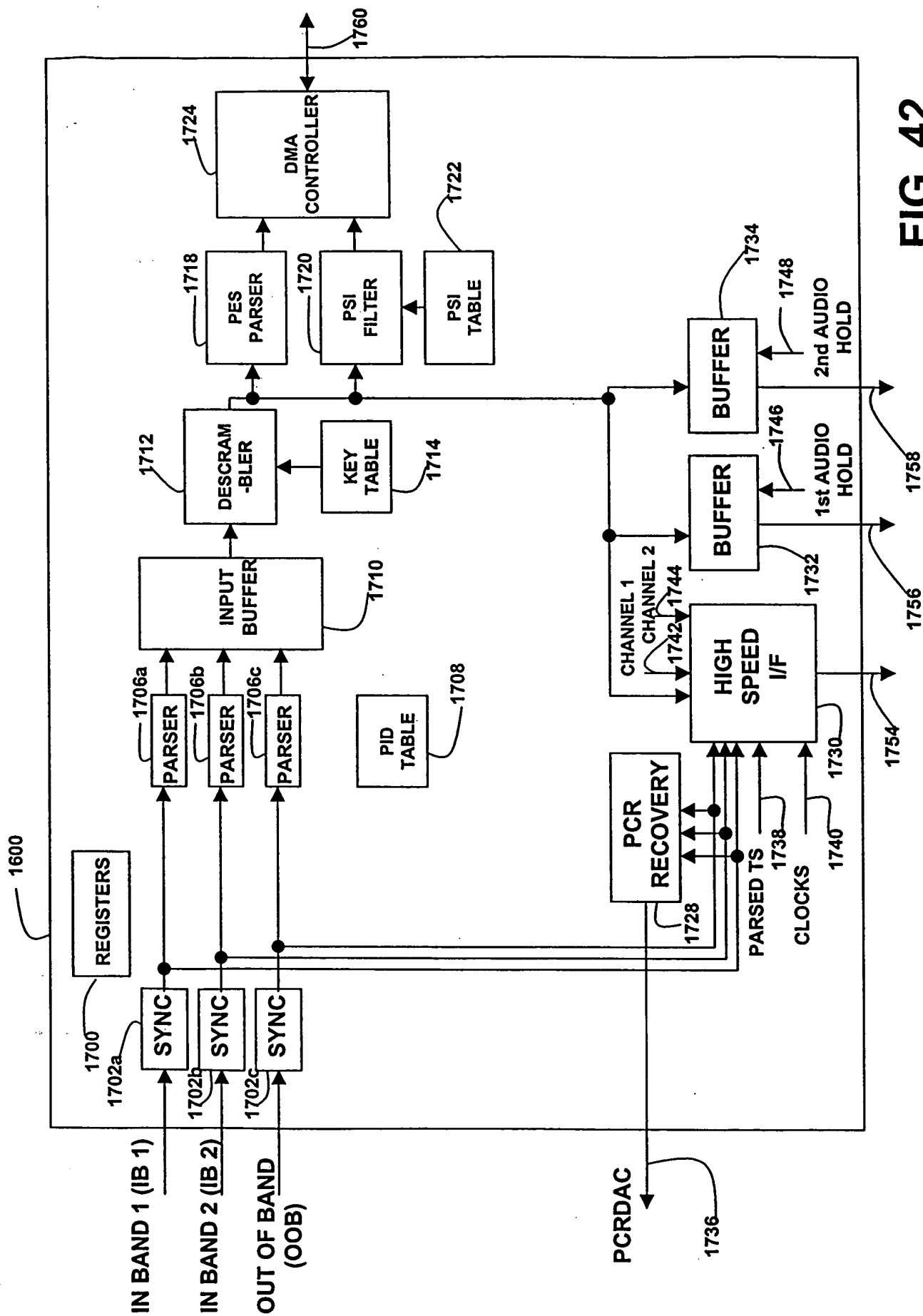


FIG. 41



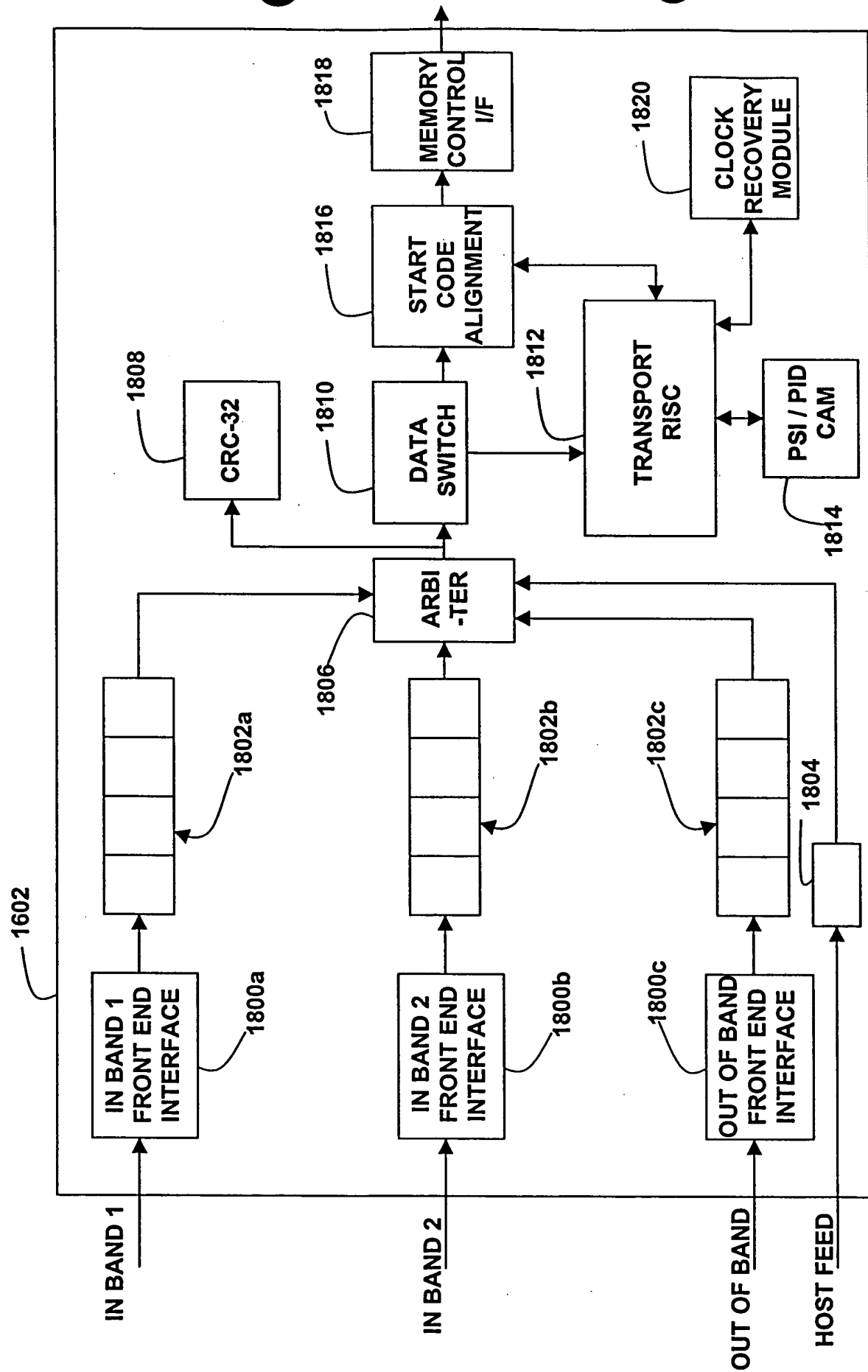


FIG. 44

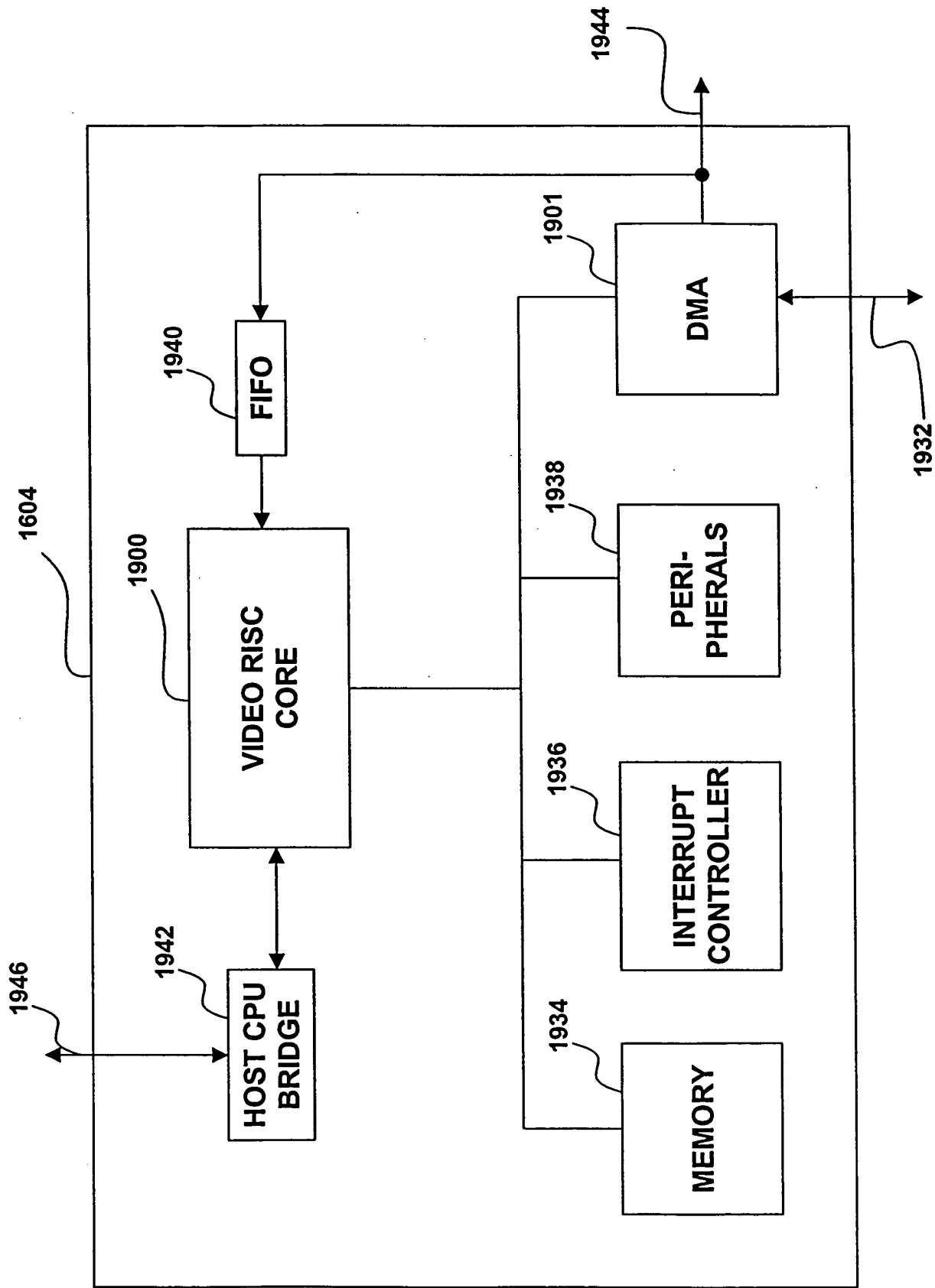


FIG. 46

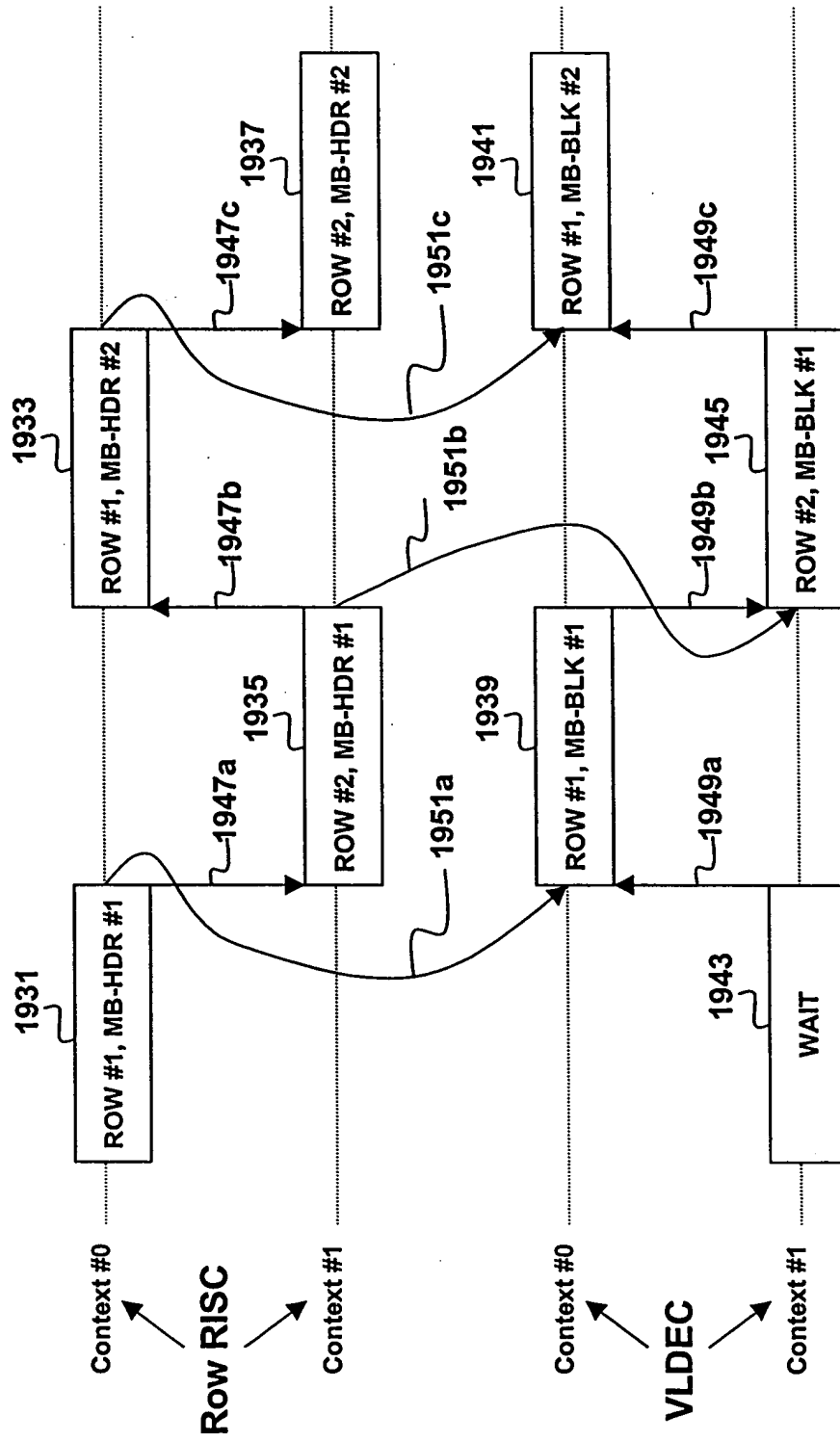


FIG. 47

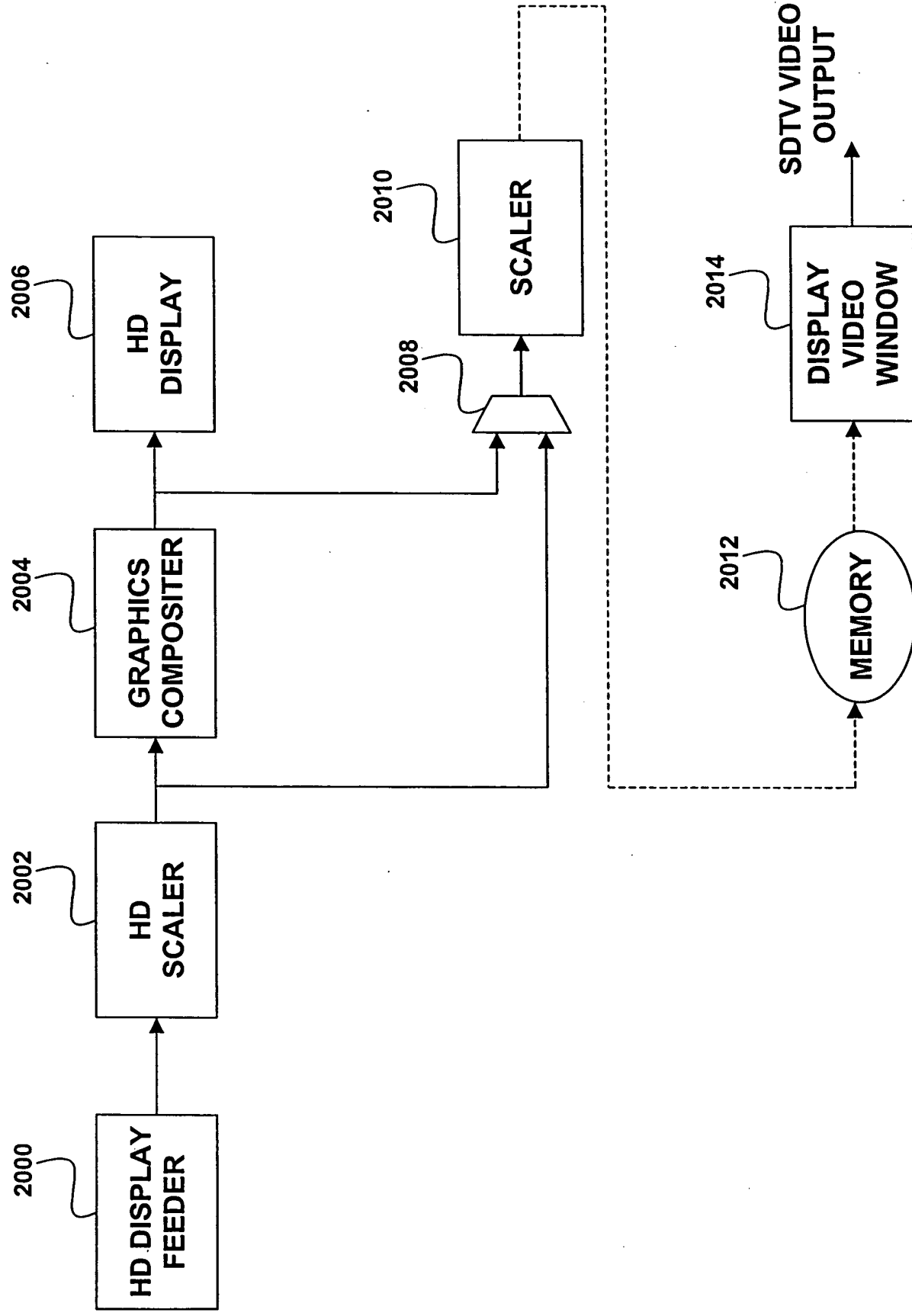


FIG. 48

MPEG VIDEO DECODING STAGES

2100

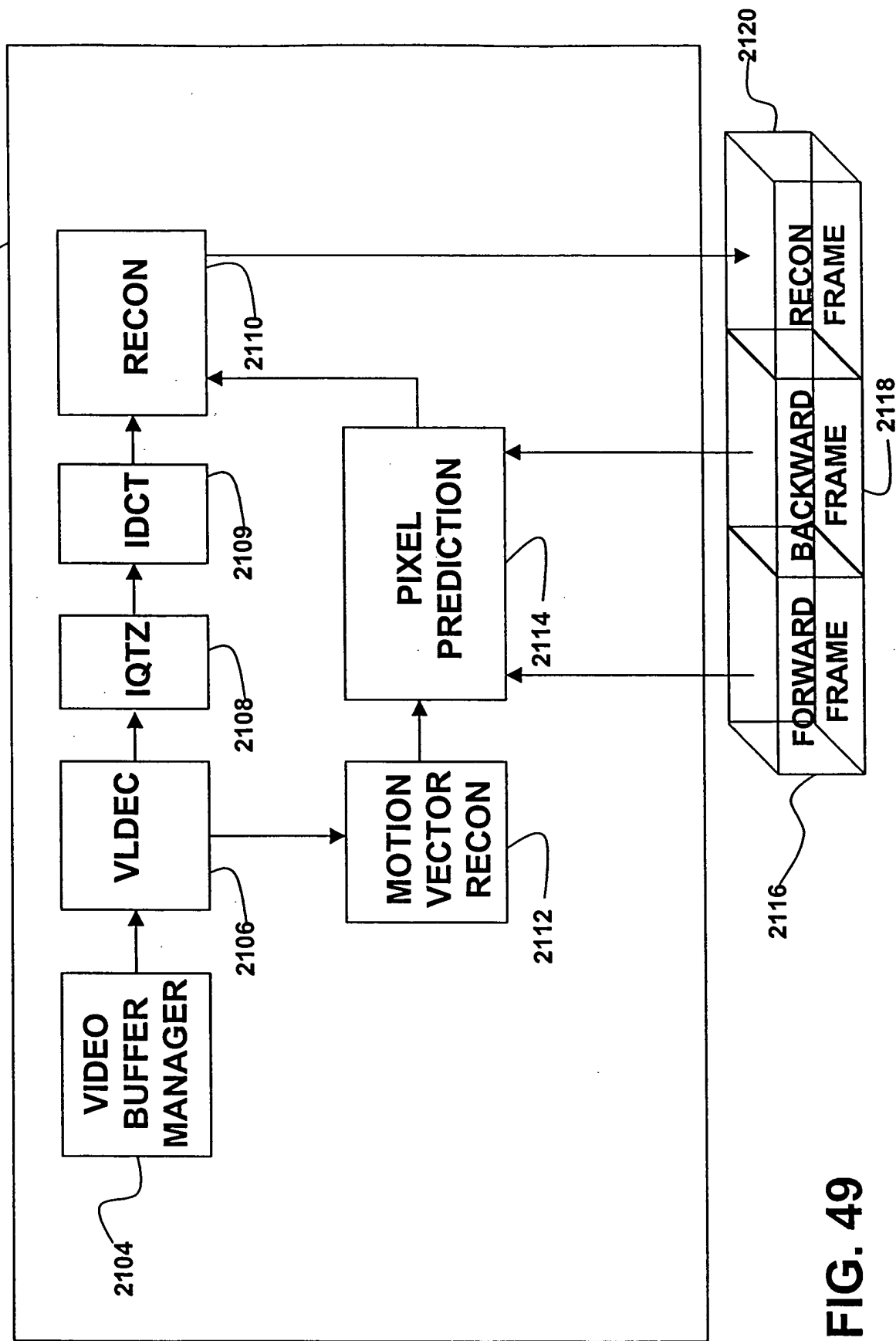
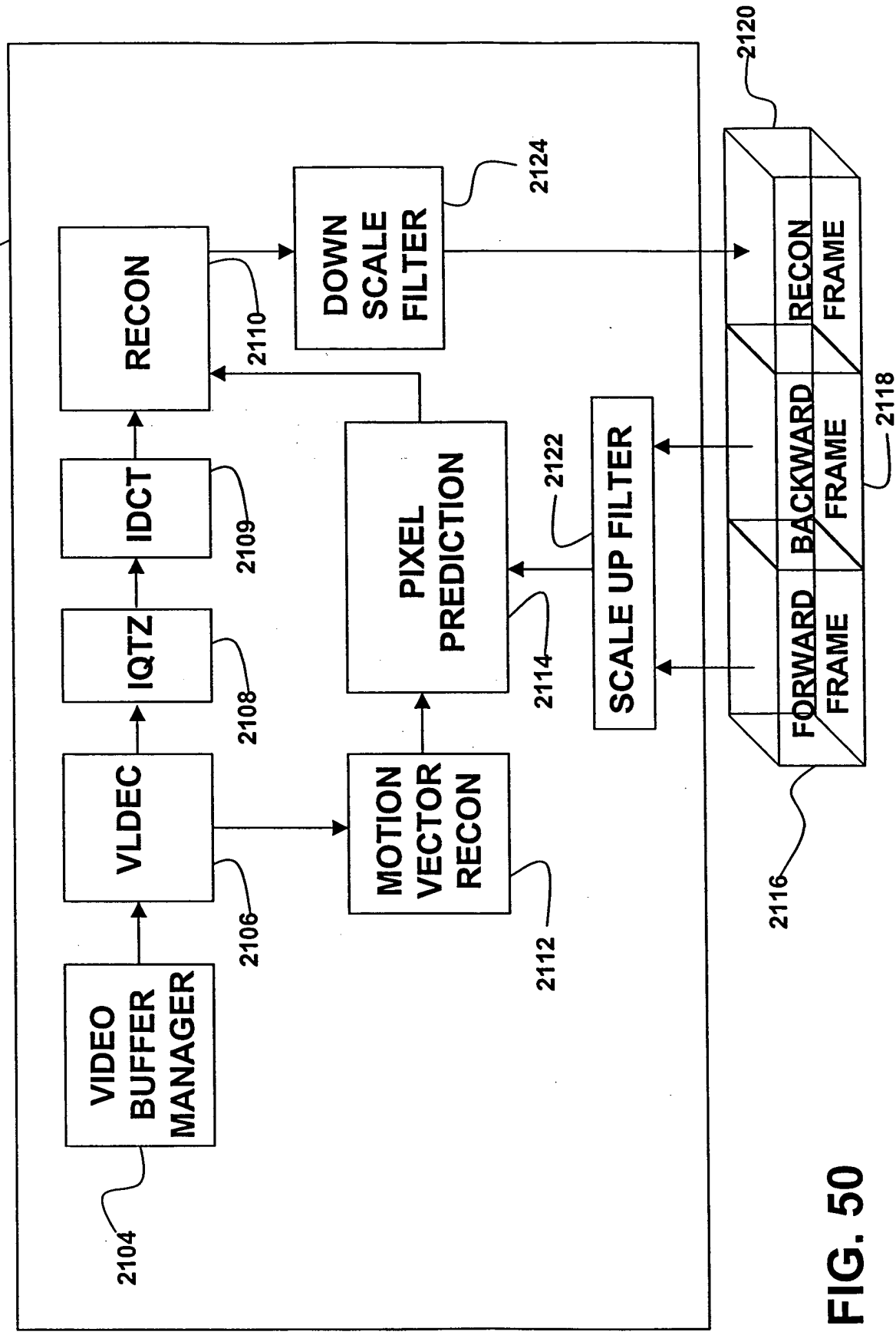


FIG. 49

MPEG VIDEO DECODING STAGES WITH VIDEO TIME DOWNSCALING



FRAME-PREDICTION FOR I-PICTURES AND P-PICTURES

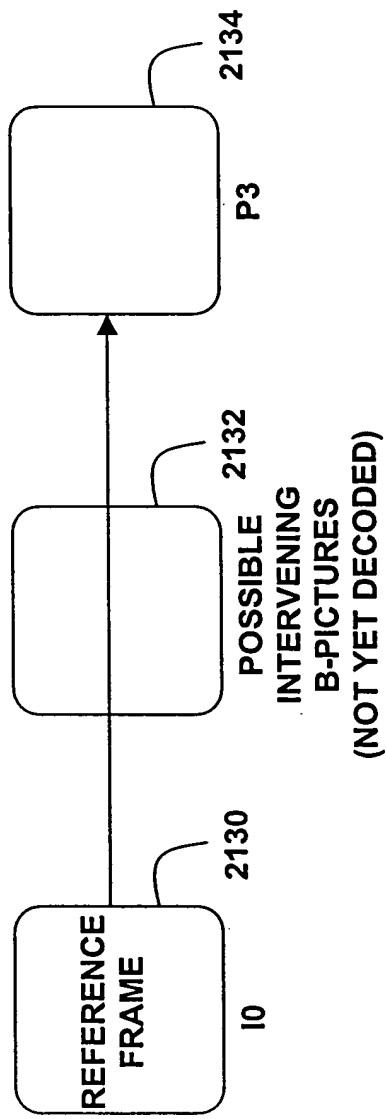


FIG. 51

FIELD PREDICTION IN A FRAME-PICTURE

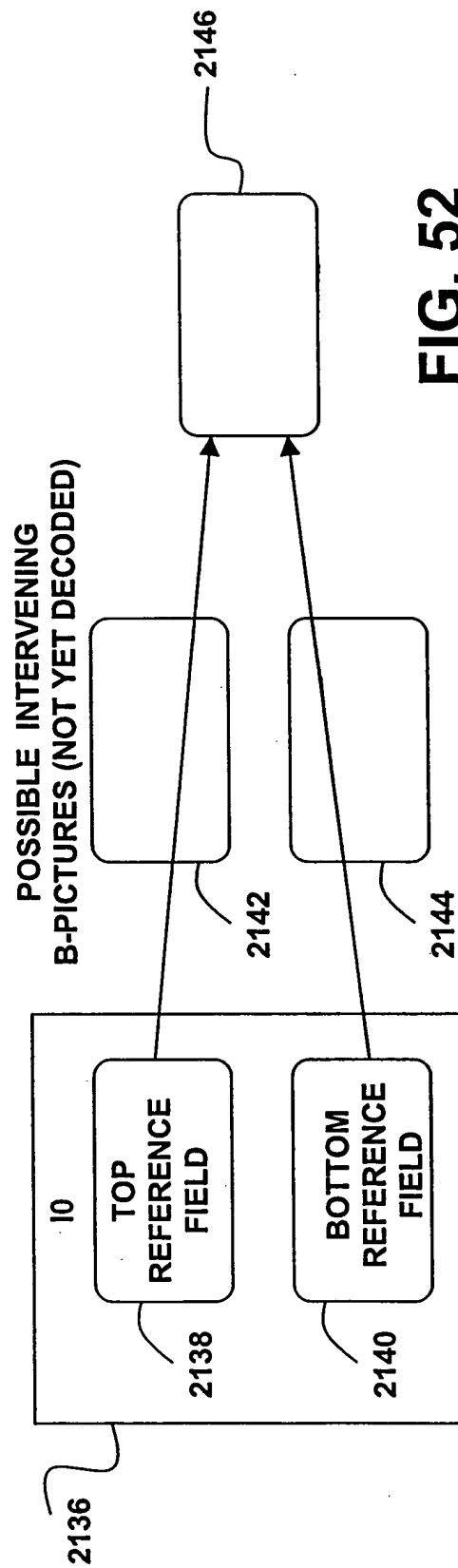


FIG. 52

PREDICTION OF THE FIRST FIELD-PICTURE

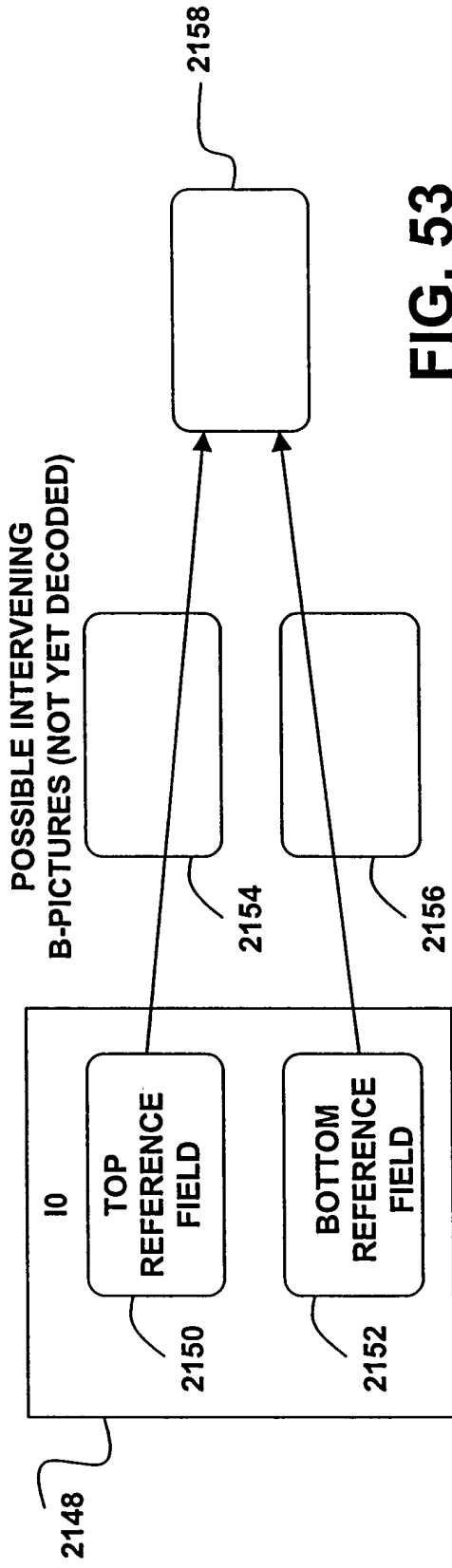


FIG. 53

PREDICTION OF THE "BOTTOM FIELD" SECOND FIELD-PICTURE

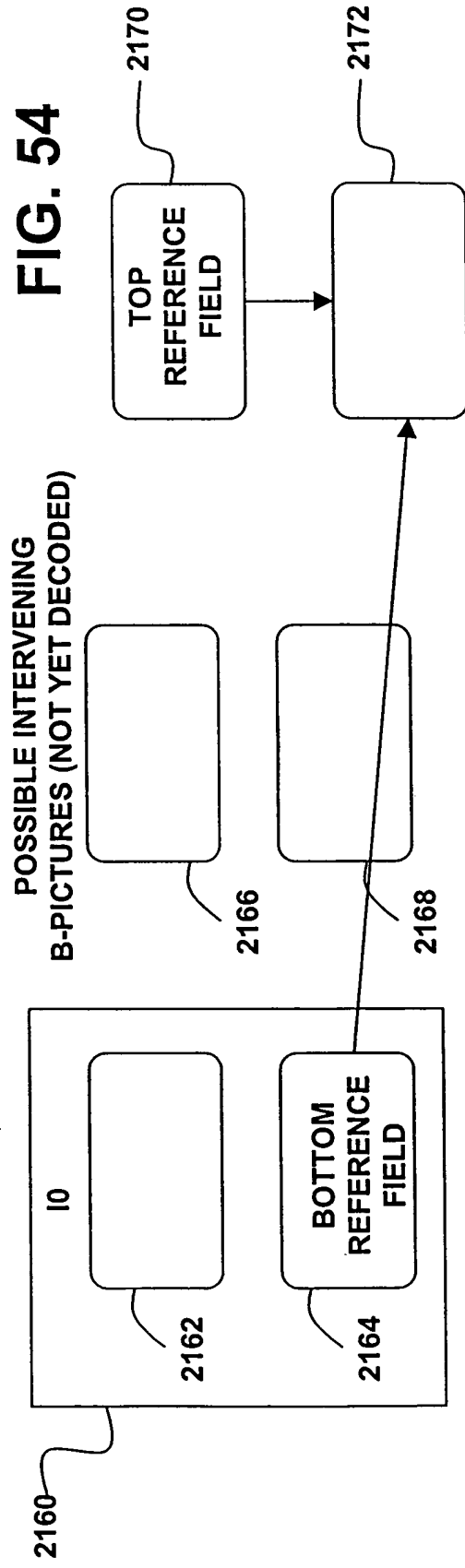


FIG. 54

FRAME-PREDICTIONS FOR B-PICTURES

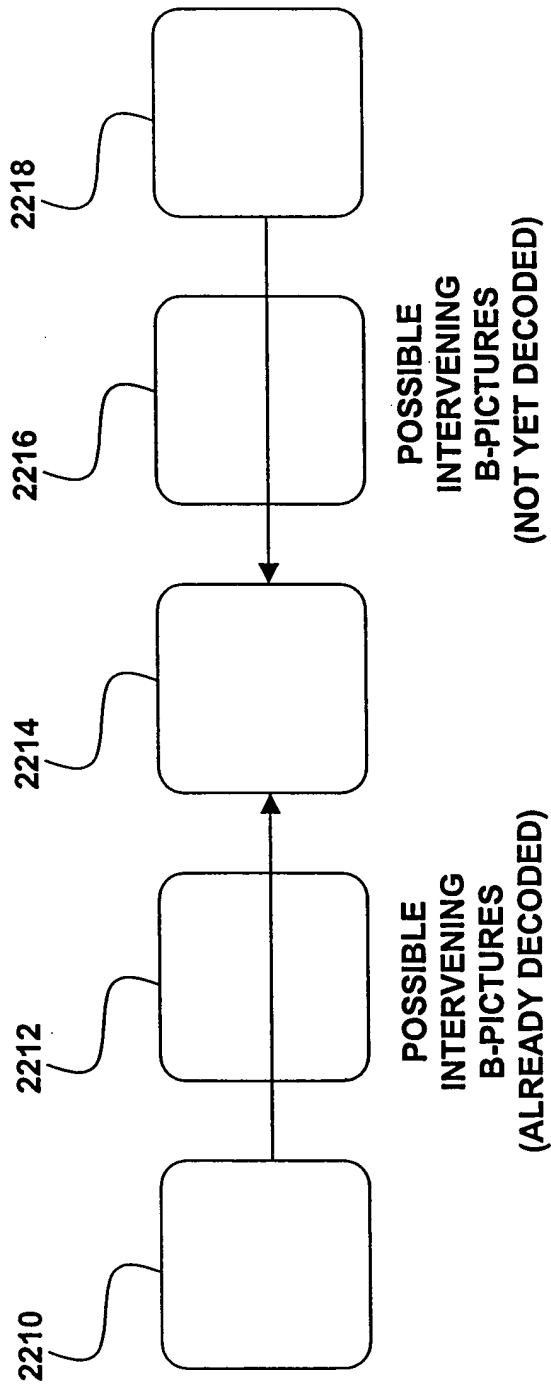


FIG. 57

Image Organization - 64 bit SDRAM

2250

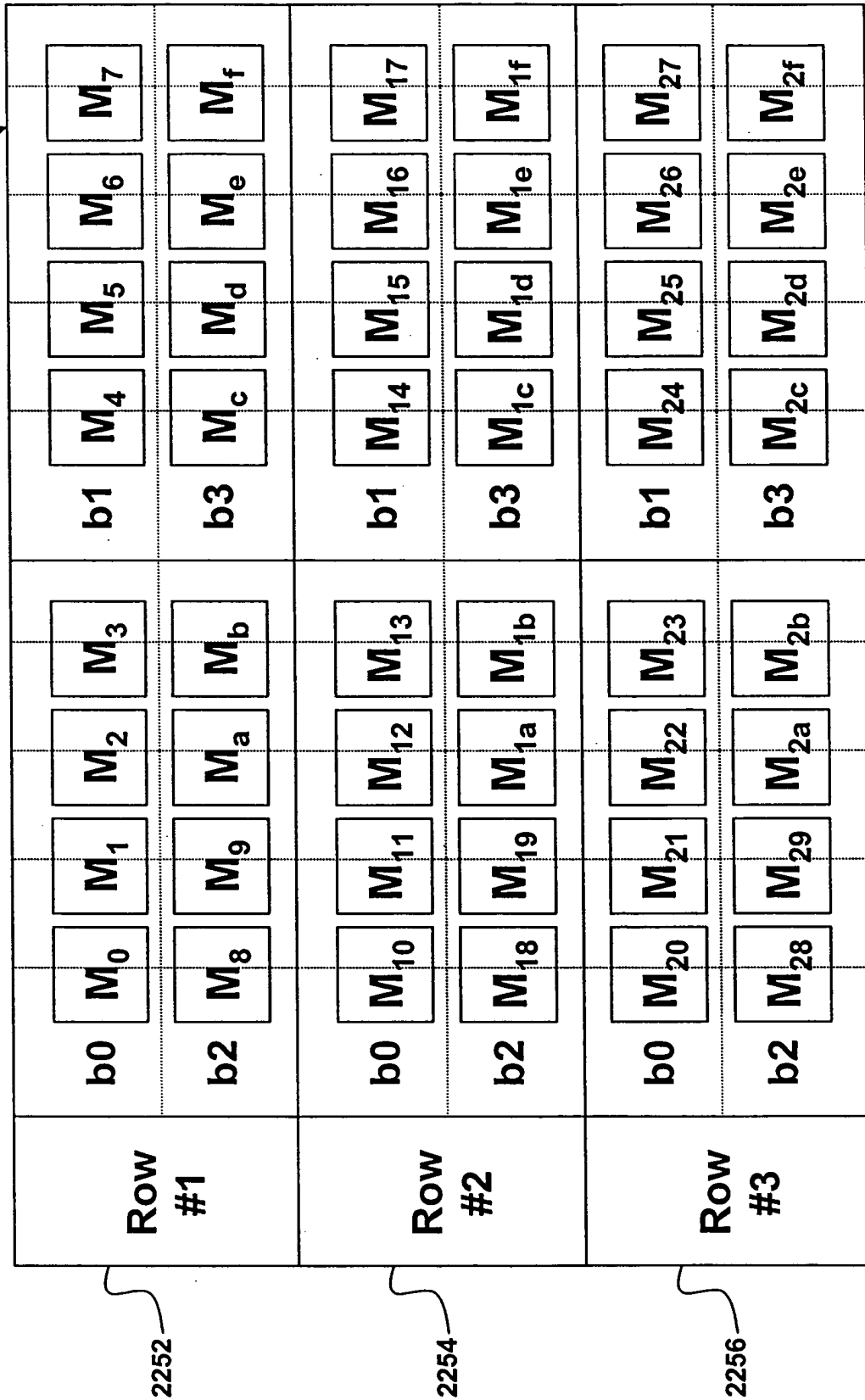


FIG. 58

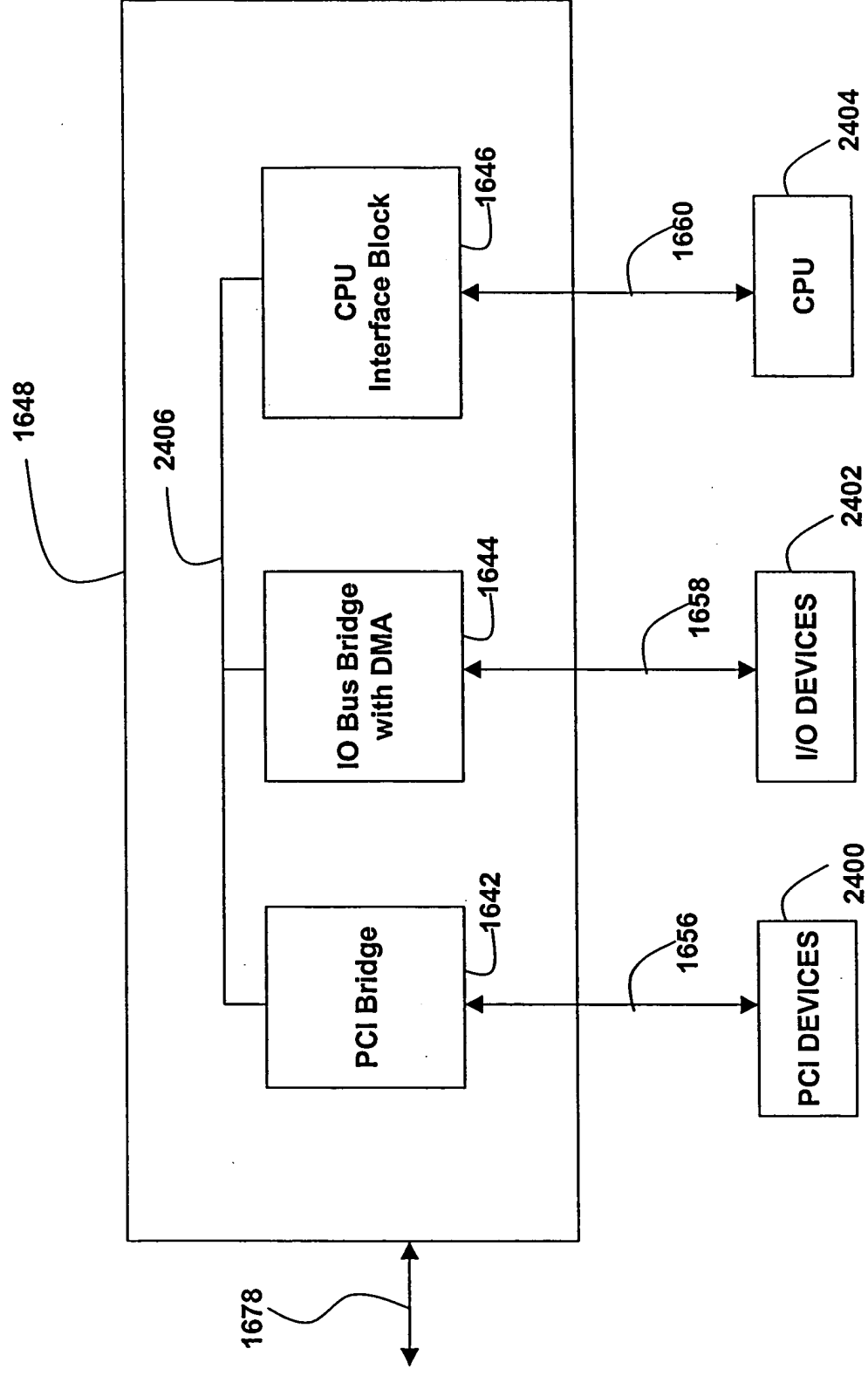


FIG. 60

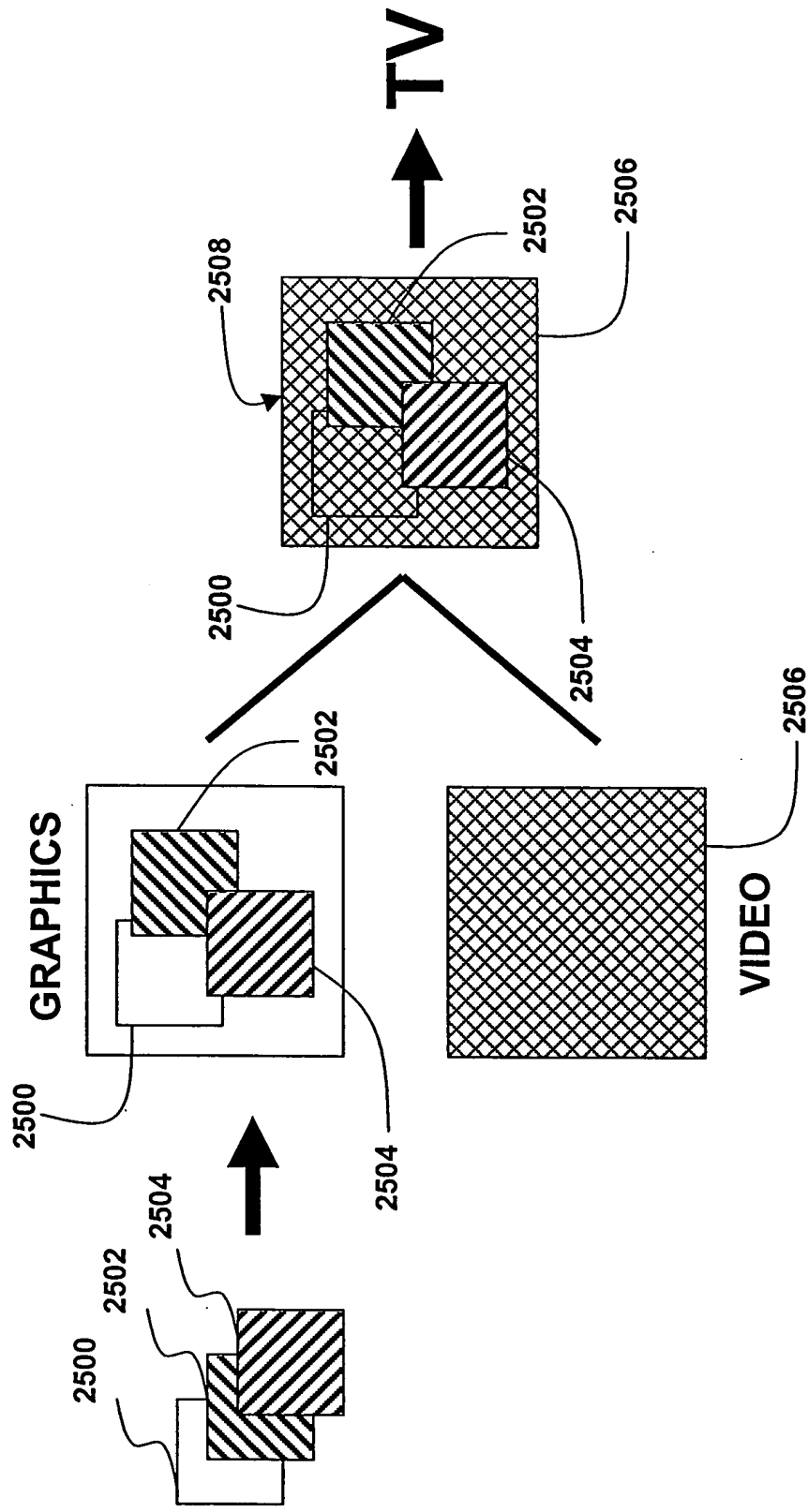


FIG. 61

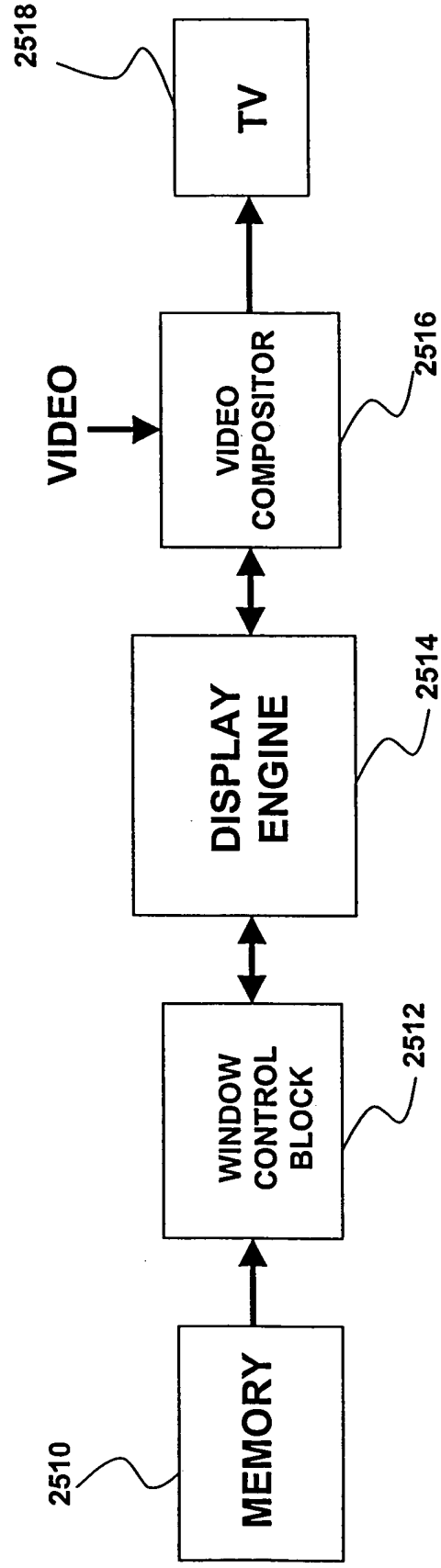


FIG. 62

FIG. 63


```

graph TD
    2572[WIN_IDLE] --> 2574{Vsync Detected ?}
    2574 -- NO --> 2572
    2574 -- YES --> 2576{WD_INIT = 1 ?}
    2576 -- NO --> 2574
    2576 -- YES --> 2578{WD_INIT = 0 ?}
    2578 -- NO --> 2576
    2578 -- YES --> 2580[NEW_LINE]
    2580 --> 2582[NEW_LINE1]
    2582 --> 2584[NEW_LINE2]
    2584 --> 2586[NEW_LINE3]
    2586 --> 2588{SORT_CNT < 7 ?}
    2588 -- YES --> 2586
    2588 -- NO --> 2590[NEW_LINE4]
    2590 --> 2592{CUR_PROC ?}
    2592 -- NO --> 2594[NEW_LINE5]
    2592 -- YES --> 2596{LOAD CLUT ?}
    2596 -- YES --> 2598[NEW_CLUT]
    2598 --> 2600[ ]
    2596 -- NO --> 2602[ ]

```

FIG. 66

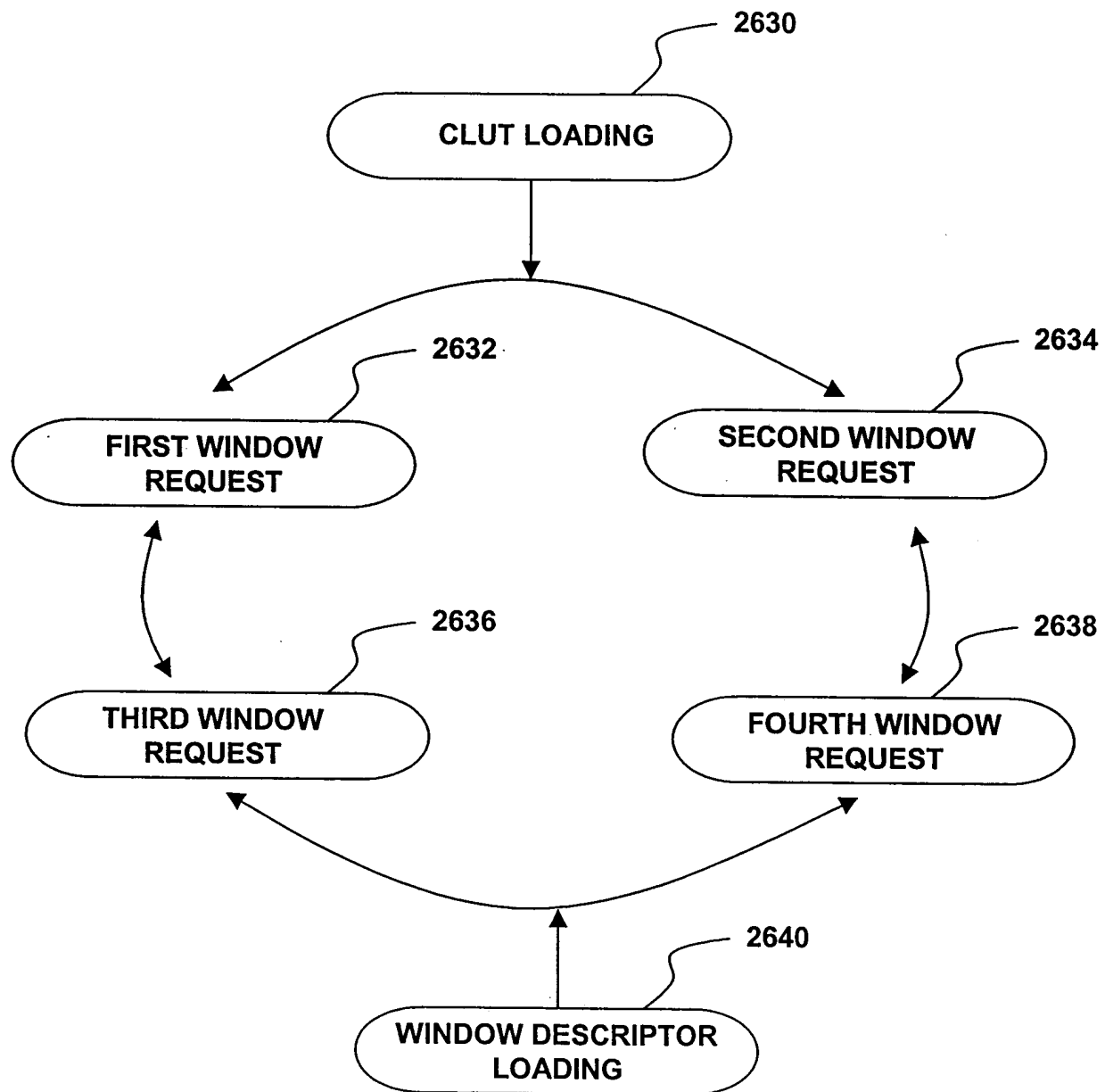


FIG. 68

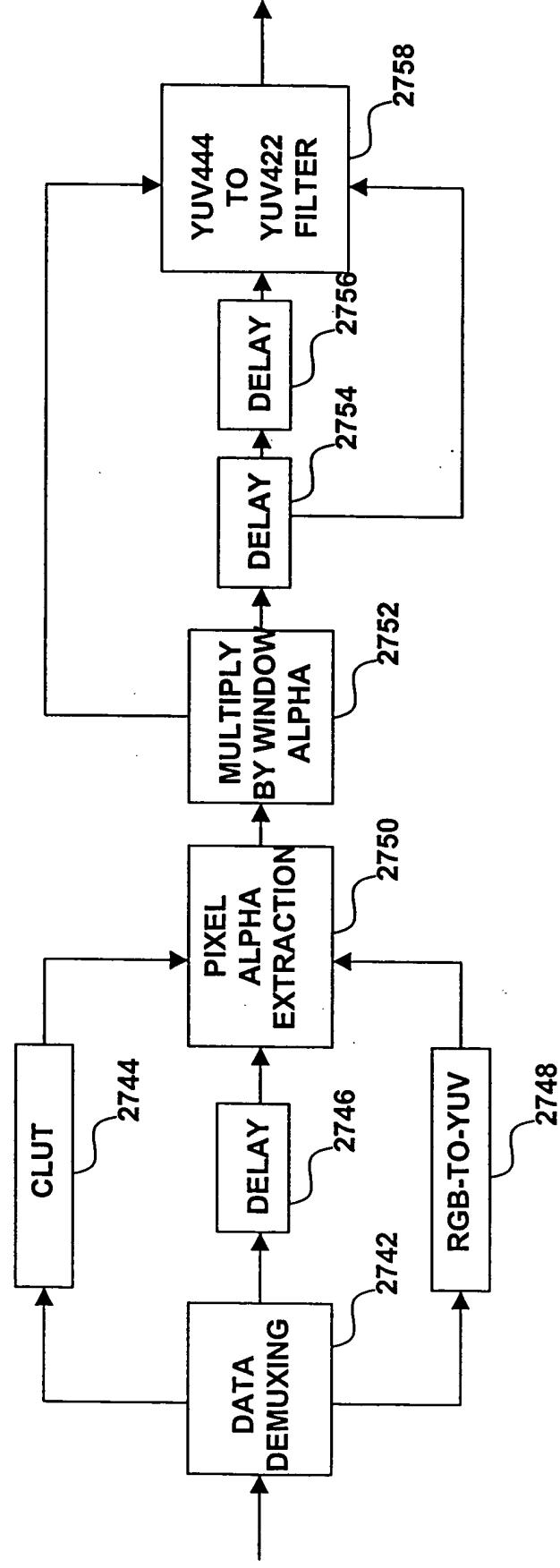


FIG. 70

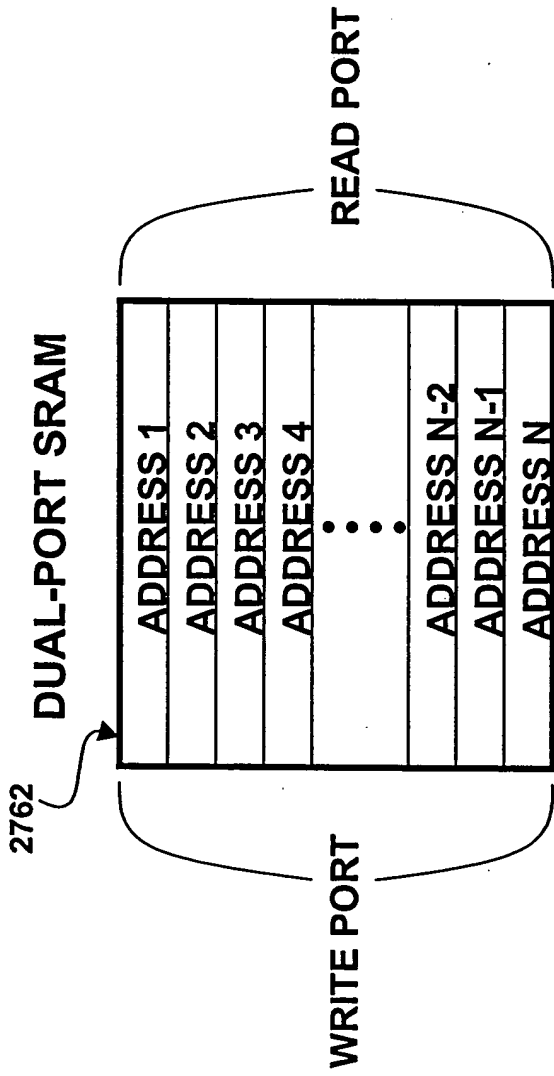


FIG. 71

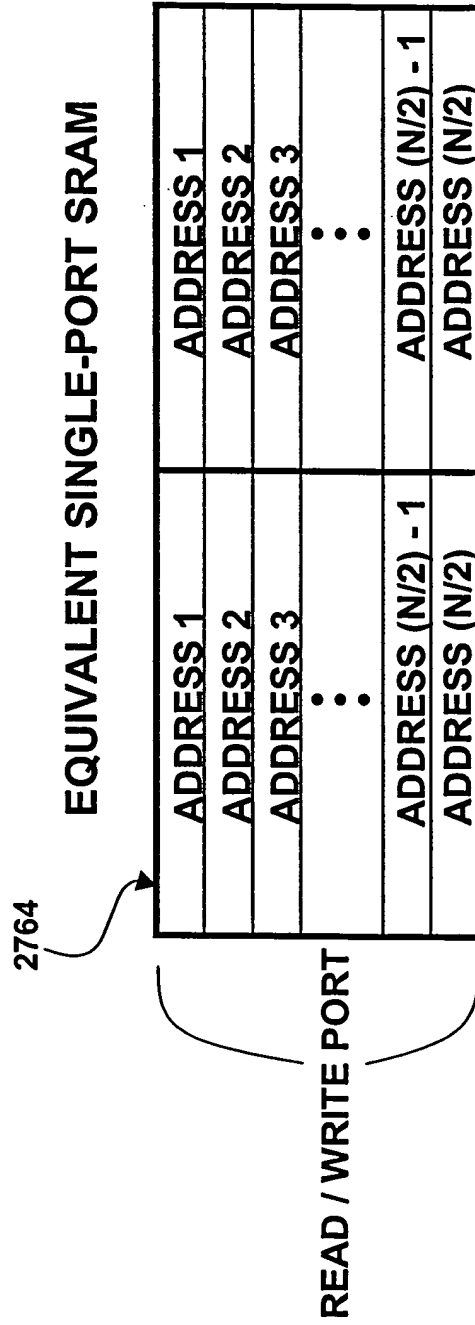


FIG. 72

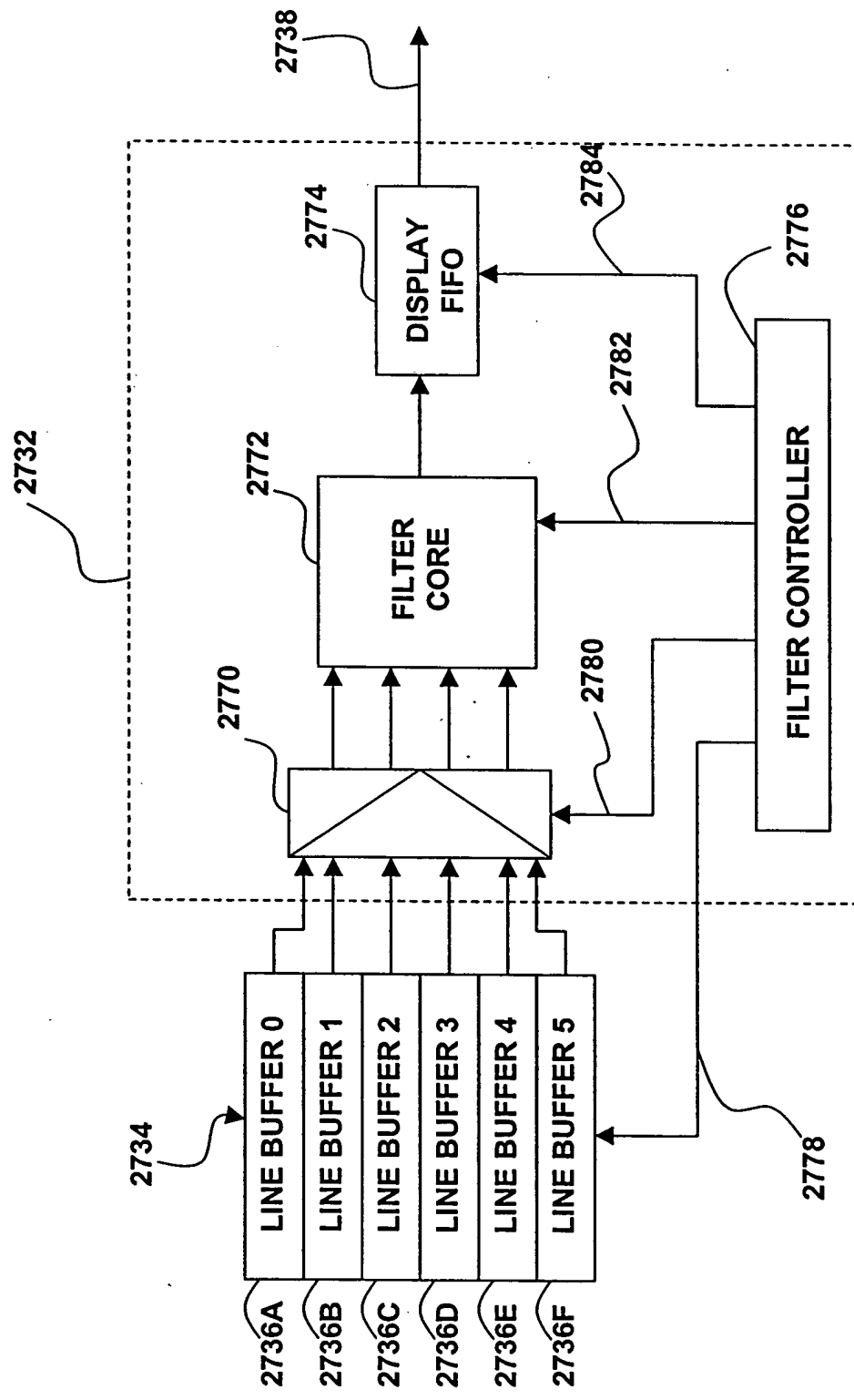


FIG. 73

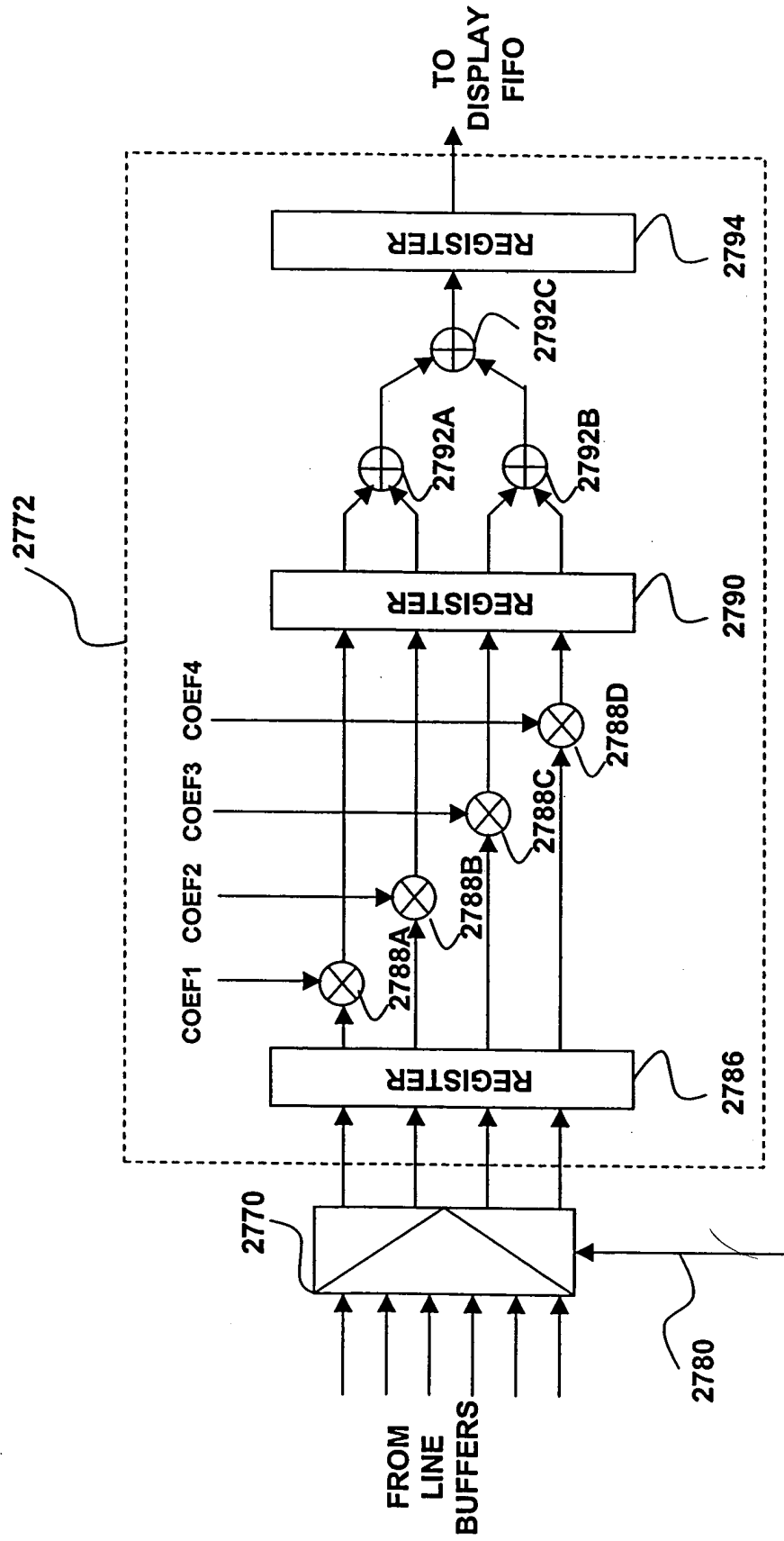


FIG. 74